

Second Quarter 2006 Groundwater Monitoring Report

**Former Simpson Remanufacturing Facility
Arcata, California**

Prepared for:

Simpson Timber Company



Consulting Engineers & Geologists, Inc.

812 W. Wabash
Eureka, CA 95501-2138
707/441-8855

July 2006
003154



Reference: 003154

July 10, 2006

Mr. Ryan Miya
Department of Toxic Substances Control
Northern California-Coastal Cleanup Operations Branch
700 Heinz Avenue, Suite 200
Berkeley, CA 94710-2721

Subject: Second Quarter 2006 Groundwater Monitoring Report, Former Simpson Remanufacturing Facility; Arcata, California

Dear Mr. Miya:

SHN Consulting Engineers & Geologists, Inc (SHN) is providing you with the second quarter 2006, groundwater-monitoring report for the former Simpson Remanufacturing Facility, Arcata, California. SHN performed the groundwater monitoring on May 10, 2006.

Please call me at 441-8855 if you have any questions.

Sincerely,

SHN Consulting Engineers & Geologists, Inc.

A handwritten signature in black ink, appearing to read "FBL".

Frans B. Lowman, P. G.
Project Manager

FBL/ADM:kas
Enclosure: Report
copy w/encl: Kasey Ashley, RWQCB
Rob Ricci, Simpson Timber Company
Lane Devries, Sun Valley Floral Farms

Reference: 003154

Second Quarter 2006 Groundwater Monitoring Report

**Former Simpson Remanufacturing Facility
Arcata, California**

Prepared for:

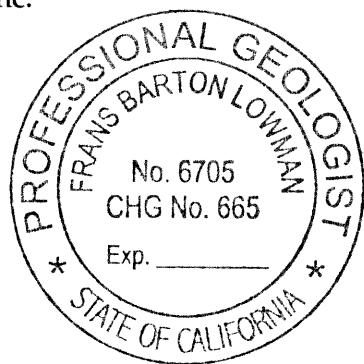
Simpson Timber Company

Prepared by:



Consulting Engineers & Geologists, Inc.
812 W. Wabash
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707/441-8855

July 2006



QA/QC: FBL____

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Abbreviations and Acronyms

<	denotes a value that is "less than" the method detection limit
mV	millivolts
ppm	parts per million
mg/L	milligrams per Liter
ug/L	micrograms per Liter
BGS	Below Ground Surface
DCE	Dichloroethene
DCO ₂	Dissolved Carbon Dioxide
DO	Dissolved Oxygen
DTSC	California Department of Toxic Substances Control
EPA	Environmental Protection Agency
MW-#	Monitoring Well-#
NCL	North Coast Laboratories, Ltd.
ND	Not Detected
ORP	Oxidation-Reduction Potential
PCP	Pentachlorophenol
RWQCB	California Regional Water Quality Control Board, North Coast Region
SHN	SHN Consulting Engineers & Geologists, Inc.
TCP	Tetrachlorophenol
VOCs	Volatile Organic Compounds

1.0 Introduction

This report presents the results of groundwater monitoring activities for the second quarter 2006, conducted at the former Simpson Remanufacturing Facility located in, Arcata, California (Figure 1). SHN Consulting Engineers & Geologists, Inc. (SHN) performed this work on behalf of the Simpson Timber Company. This work was requested by the California Department of Toxic Substances Control (DTSC), and the California Regional Water Quality Control Board, North Coast Region (RWQCB).

1.1 Vicinity Information

The former remanufacturing facility is located at 3315 Foster Avenue, Arcata, Humboldt County, California (Figure 2). The majority of the site is located in the southeast quarter of Section 19, T6N, R1E, Humboldt Base and Meridian. The area is zoned industrial and agricultural exclusive. Site elevation is approximately 20 feet (North American Vertical Datum 1929) and the topography is relatively flat.

1.2 Site History

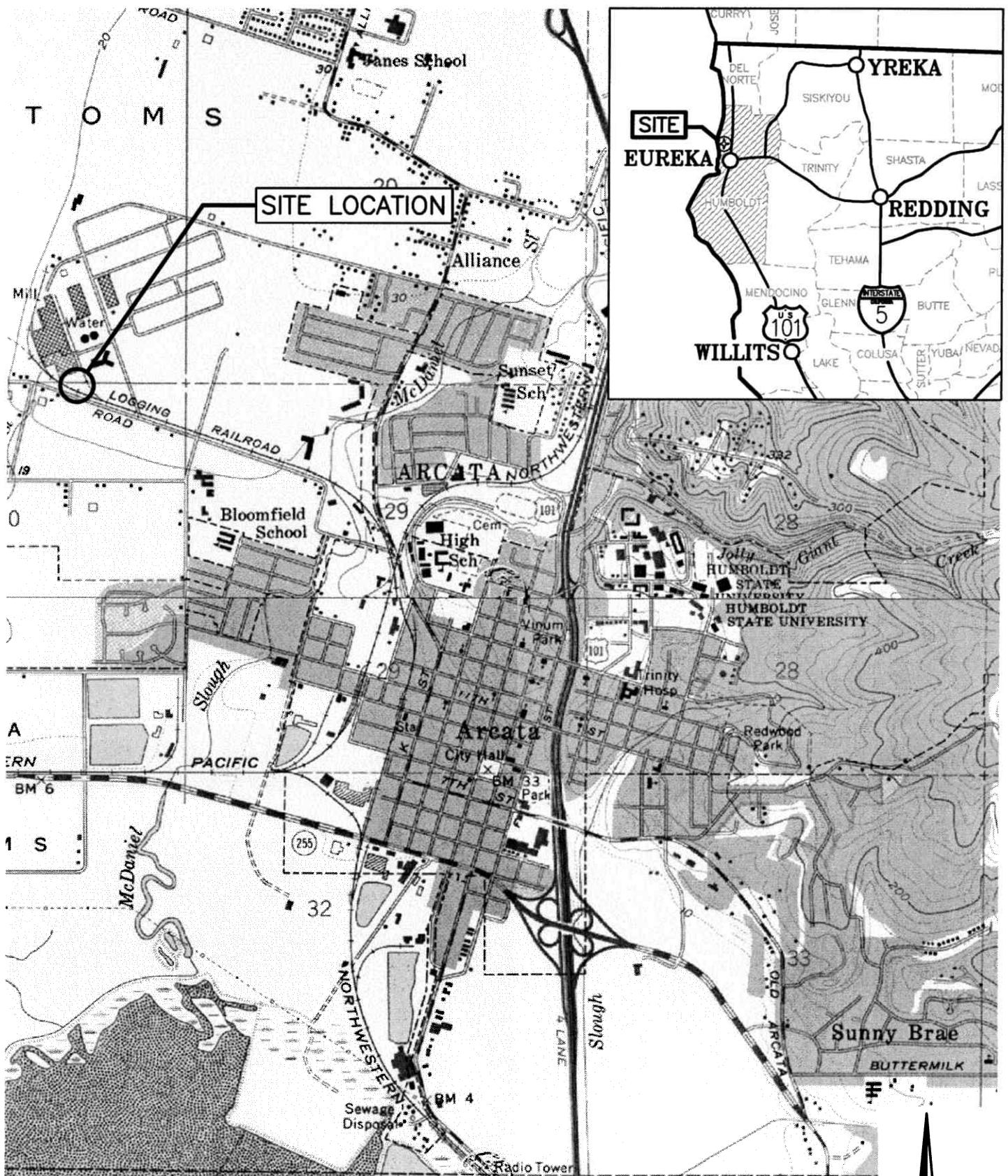
The site was initially developed in 1951. Operations included processing rough sawn boards into finished dimensional lumber and siding. In 1989, the facility was closed and the plant equipment was sold. In May 1999, Sun Valley Floral Farms purchased the site. Subsurface investigations have been performed at various locations throughout the site, including soil excavation at several locations. A detailed description of previous activities is included in the final removal action work plan (EnviroNet, 1997).

On January 21 and 22, 2004, SHN supervised the installation of monitoring wells MW-7 and MW-8 (Figure 3). Wells were installed by Fisch Environmental of Valley Springs, California. Wells MW-7 and MW-8 were subsequently added to the existing monitoring well network.

Groundwater beneath the site was monitored on a quarterly basis in 2004. Groundwater monitoring ceased after that time, but was resumed during the third quarter of 2005.

1.3 Geology and Hydrology

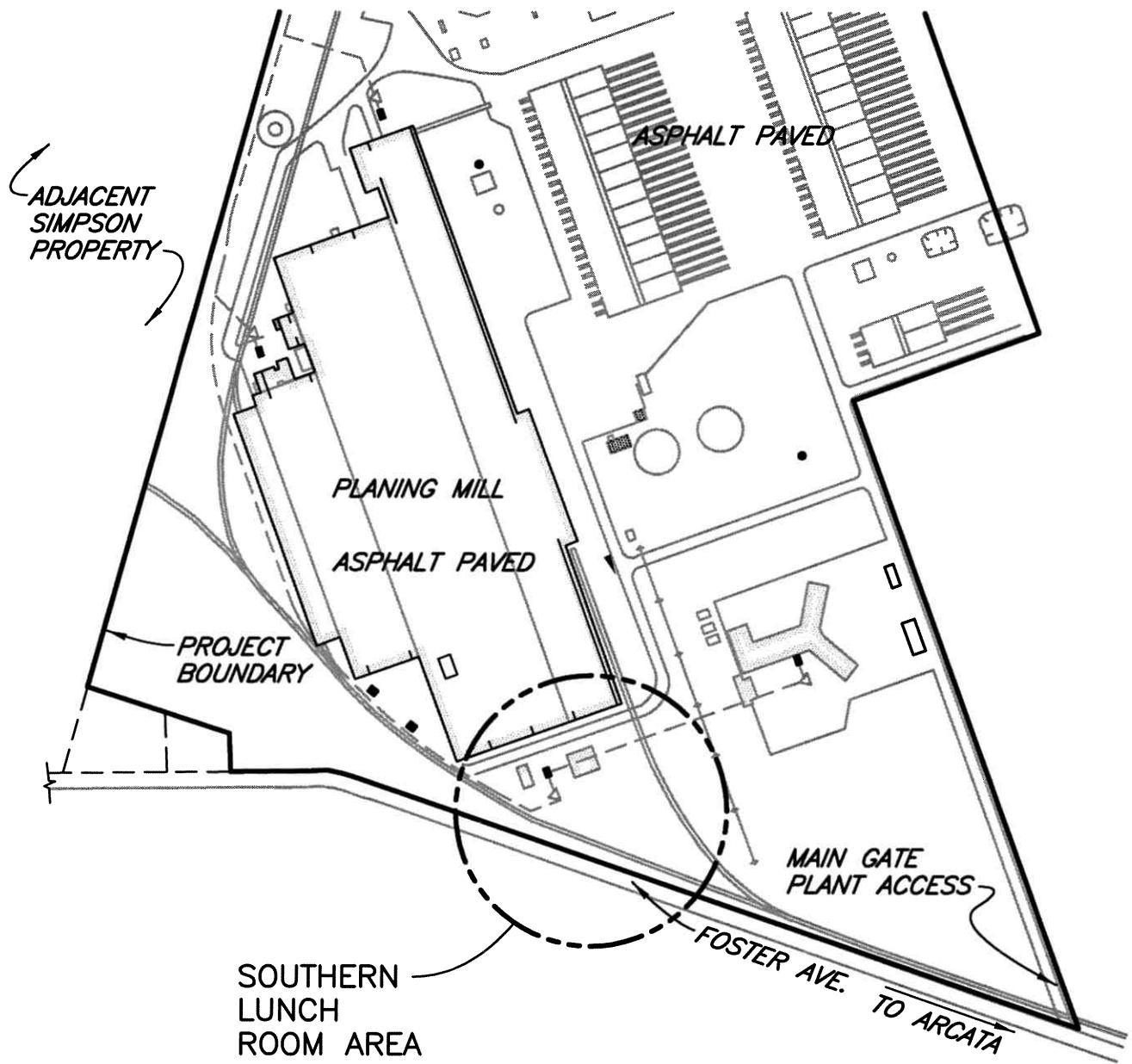
The site is located within the Arcata Bottoms, a floodplain/coastal plain of low relief. Geology in the vicinity of the site was mapped as Holocene alluvium consisting of coarse to fine sand and silt (Kelley, 1984). Gravel fill material was encountered from the ground surface to a depth of approximately 2 feet Below Ground Surface (BGS) underlain by two to five feet of silt (SHN, 2004). Sands and gravels are present below the silt from approximately 5 to 27 feet BGS. A deeper silt layer was observed at 27 feet BGS in well point SLR-1. Although no soil samples were collected below 28 feet BGS, the ease of advancement of the Geoprobe® rods from 28 to 59 feet BGS indicates that the silt layer extends to the bottom of the boring (approximately 59 feet BGS) (SHN, 2004). Previous subsurface investigations (EnviroNet, 1997) characterized the subsurface as approximately 3-15 feet of silt/clay deposits, underlain by sands and rounded gravels, with a low permeability layer of silt and/or clay present at depths ranging from approximately 23 to 30 feet BGS.



SOURCE:
U.S.G.S. QUADS OF
ARCATA NORTH AND ARCATA SOUTH

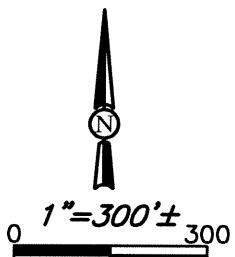
NO SCALE

 Consulting Engineers & Geologists, Inc.	Simpson Timber Company Arcata Remanufacturing Facility Arcata, California	Site Location Map SHN 003154
June 2006	003154-SITE-LCTN	Figure 1

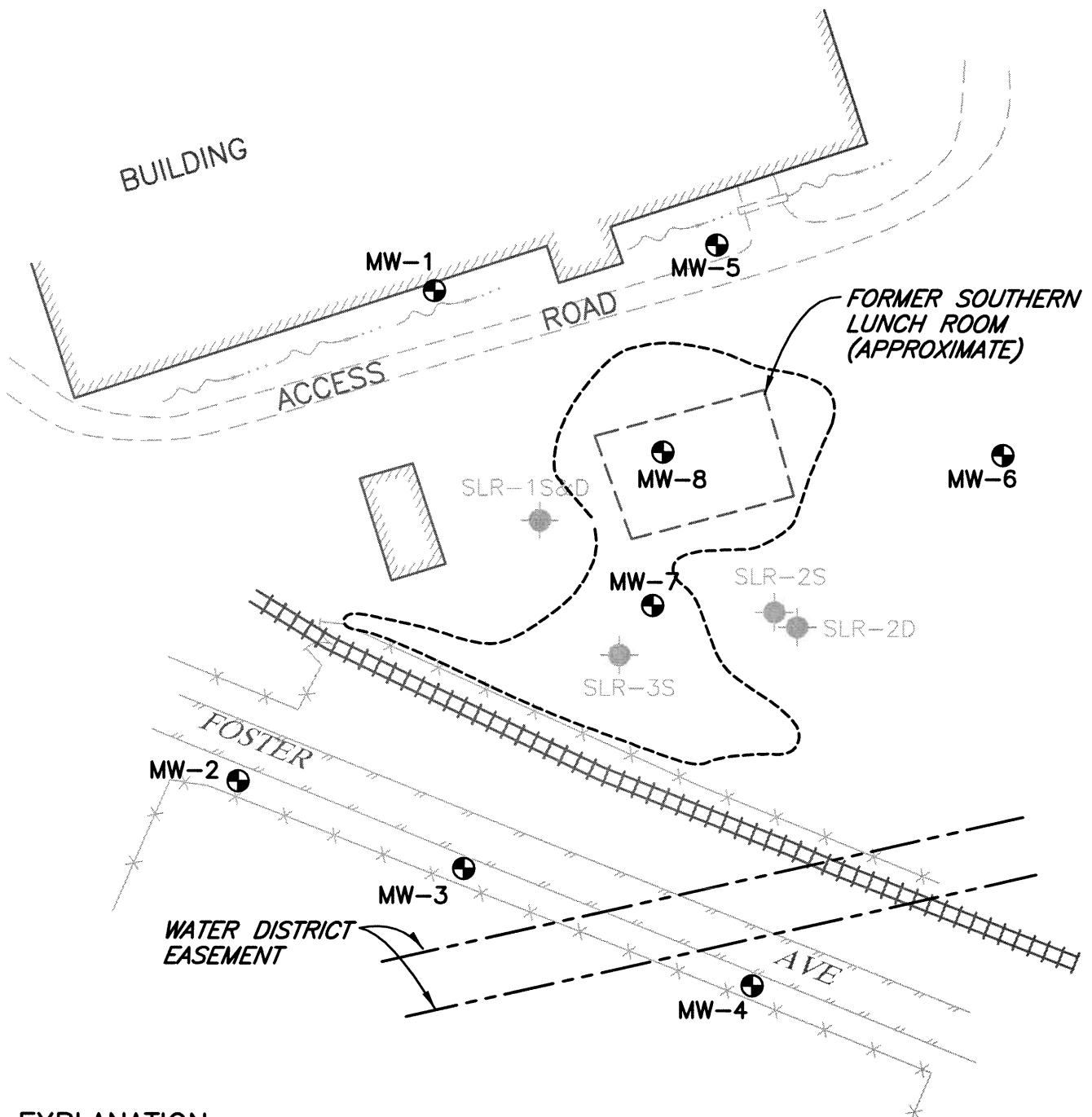


BASIS OF MAPPING

1. MARSH & MCLENNAN, INC., SEATTLE INSURANCE BROKERS, NOVEMBER, 1964 SIMPSON TIMBER COMPANY, ARCATA, CALIFORNIA
2. CITY OF ARCATA, DEPARTMENT OF PUBLIC WORKS, HUMBOLDT COUNTY CALIFORNIA. 10-3-89 AERIAL PHOTO, RECTIFIED PHOTOMAP BY CH2M HILL, (38 & 39)



 Consulting Engineers & Geologists, Inc.	Simpson Timber Company Arcata Remanufacturing Facility Arcata, California	Former Site Layout	
		SHN 003154	Figure 2
March, 2006	003154-f2		



EXPLANATION

MW-2 MONITORING WELL LOCATION AND DESIGNATION

SLR-1 SOIL BORING/WELL POINT LOCATION AND DESIGNATION (SHN, JANUARY, 2004 SITE INVESTIGATION)



EXISTING STRUCTURE



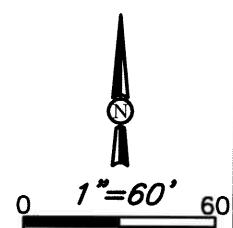
APPROXIMATE EXCAVATION EXTENTS

EXISTING FENCE

EXISTING RAILROAD TRACKS

EXISTING SURFACE DRAINAGE

S SHALLOW BORING
D DEEP BORING



2.0 Field Activities

2.1 Monitoring Well Sampling

SHN conducted groundwater monitoring on May 10, 2006. As part of the monitoring program, wells MW-2, MW-3, MW-7, and MW-8 were purged and sampled. Prior to purging, each well was measured for depth to water, and checked for the presence of floating product (none was observed). Electrical Conductivity, pH, and temperature were monitored periodically during purging activities using portable instrumentation. Groundwater samples were collected from wells MW-2, MW-3, MW-7, and MW-8 using disposable polyethylene bailers. Each of these four wells was also measured for Dissolved Oxygen (DO), Oxidation-Reduction Potential (ORP), and Dissolved Carbon Dioxide (DCO₂) before purging. A duplicate sample was collected from groundwater monitoring well MW-3 and analyzed for all analytes. The water samples were immediately placed in an ice-filled cooler and submitted to the laboratory for analyses, under appropriate chain-of-custody. Groundwater monitoring data sheets are included in Appendix A.

2.2 Laboratory Analysis

The groundwater samples collected on May 10, 2006, were analyzed for:

- Volatile Organic Compounds (VOCs), in general accordance with U.S. Environmental Protection Agency (EPA) Method No. 8260B.
- Pentachlorophenol (PCP) and Tetrachlorophenol (TCP), in general accordance with the Canadian Pulp Report Method.
- Alkalinity, in general accordance with Standard Method 19th Edition 2320B.
- Chloride, Sulfate, and Nitrate, in general accordance with EPA Method No. 300.0.
- Dissolved Iron and Dissolved Manganese, in general accordance with EPA Method No. 200.7.
- Phenols, in general accordance with EPA Method No. SW8270C.

All of the sample analyses (with the exception of Phenols) were performed by North Coast Laboratories, Ltd. (NCL), a California-certified analytical laboratory located in Arcata, California. The phenol analyses were performed (under contract to NCL) by Severn Trent Laboratories, of Sacramento, California.

2.3 Equipment Decontamination Procedures

All monitoring and sampling equipment was cleaned prior to being transported to the Former Simpson Remanufacturing Facility site. All equipment that required on-site cleaning was initially washed in a water solution containing Liquinox® cleaner, followed by a distilled water rinse, then by a second distilled water rinse.

2.4 Investigation-Derived Waste Management

All water used for decontaminating field-sampling equipment and all well purge water was temporarily stored on site in 50-gallon plastic drums. The water was then transported to SHN's 1,000-gallon purge water storage tank located at 812 West Wabash Avenue in Eureka, California. Approximately 41 gallons of decontamination and purge water from the May 10, 2006, sampling event were tested and discharged, under permit, to the City of Eureka municipal sewer system. Discharge receipts for the 43 gallons of purge/decontamination water generated during the first quarter 2006 and the 41 gallons generated during the second quarter 2006 monitoring event are included in Appendix A.

3.0 Groundwater Monitoring Results

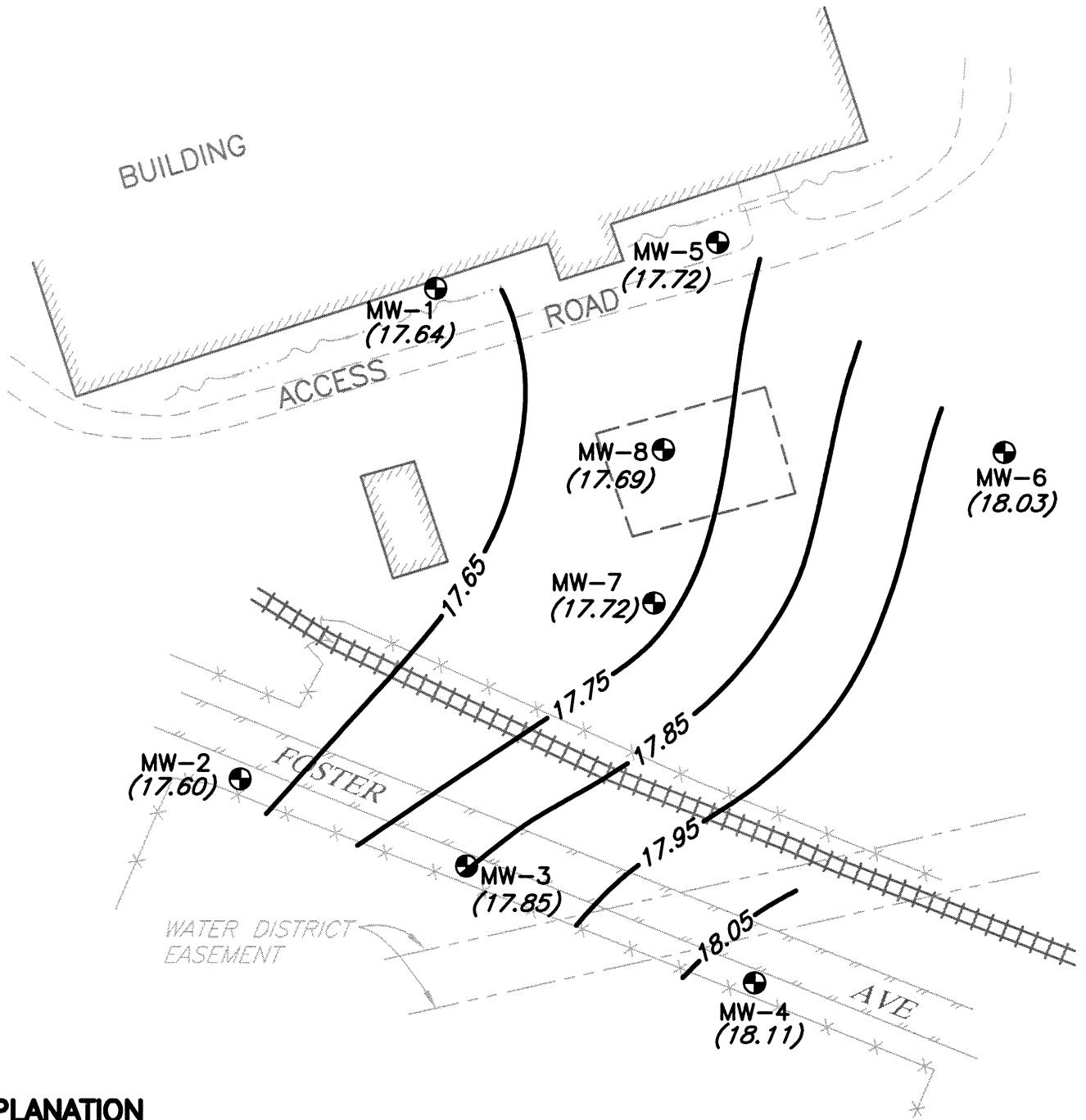
3.1 Hydrogeology

SHN measured depth-to-groundwater in the existing monitoring wells during the second quarter 2006, monitoring event (Table 1).

Table 1 Groundwater Elevations, May 10, 2006 Former Simpson Remanufacturing Facility, Arcata, California			
Sample Location	Top of Casing Elevation ¹ (feet)	Depth to Groundwater ² (feet)	Groundwater Elevation ¹ (feet)
MW-1	20.69	3.05	17.64
MW-2	22.10	4.50	17.60
MW-3	22.85	5.00	17.85
MW-4	22.48	4.37	18.11
MW-5	21.82	4.10	17.72
MW-6	23.03	5.00	18.03
MW-7	21.48	3.76	17.72
MW-8	21.56	3.87	17.69

1. Relative to National Geodetic Vertical Datum 1929
2. Below top of casing

On May 10, 2006, the direction of groundwater flow beneath the site was to the northwest, with an approximate gradient of 0.002. A groundwater contour map for the May 10, 2006, monitoring event is presented as Figure 4. Historic groundwater elevation data is included in Appendix B, Table B-1.

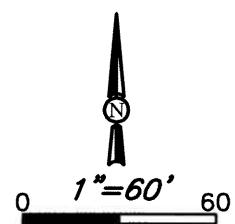


EXPLANATION

**MW-2 MONITORING WELL
LOCATION AND DESIGNATION**

**(17.60) GROUNDWATER ELEVATION
(IN FEET NGVD 29)**

**—17.65— GROUNDWATER CONTOUR
(IN FEET NGVD 29)**



3.2 Groundwater Analytical Results

Table 2 summarizes the laboratory analytical results for organic compounds.

Table 2 Organic Compound Groundwater Analytical Results, May 10, 2006 Former Simpson Remanufacturing Facility, Arcata, California (in ug/L) ¹							
Sample Location	Phenols ²	PCP ³	TCP ³	trans-1,2-DCE ⁴	cis-1,2-DCE ⁴	Vinyl Chloride ⁵	Benzene ⁵
MW-2	ND ⁶	<0.30 ⁷	<1.0	<1.0	<1.0	<1.0	<0.50
MW-3	ND	<0.30	<1.0	1.0	31	4.8	0.76
Dup ⁸	ND	<0.30	<1.0	1.4	31	5.1	0.80
MW-7	ND	<0.30	<1.0	<1.0	<1.0	1.7	0.60
MW-8	ND	<0.30	<1.0	<1.0	<1.0	2.1	<0.50

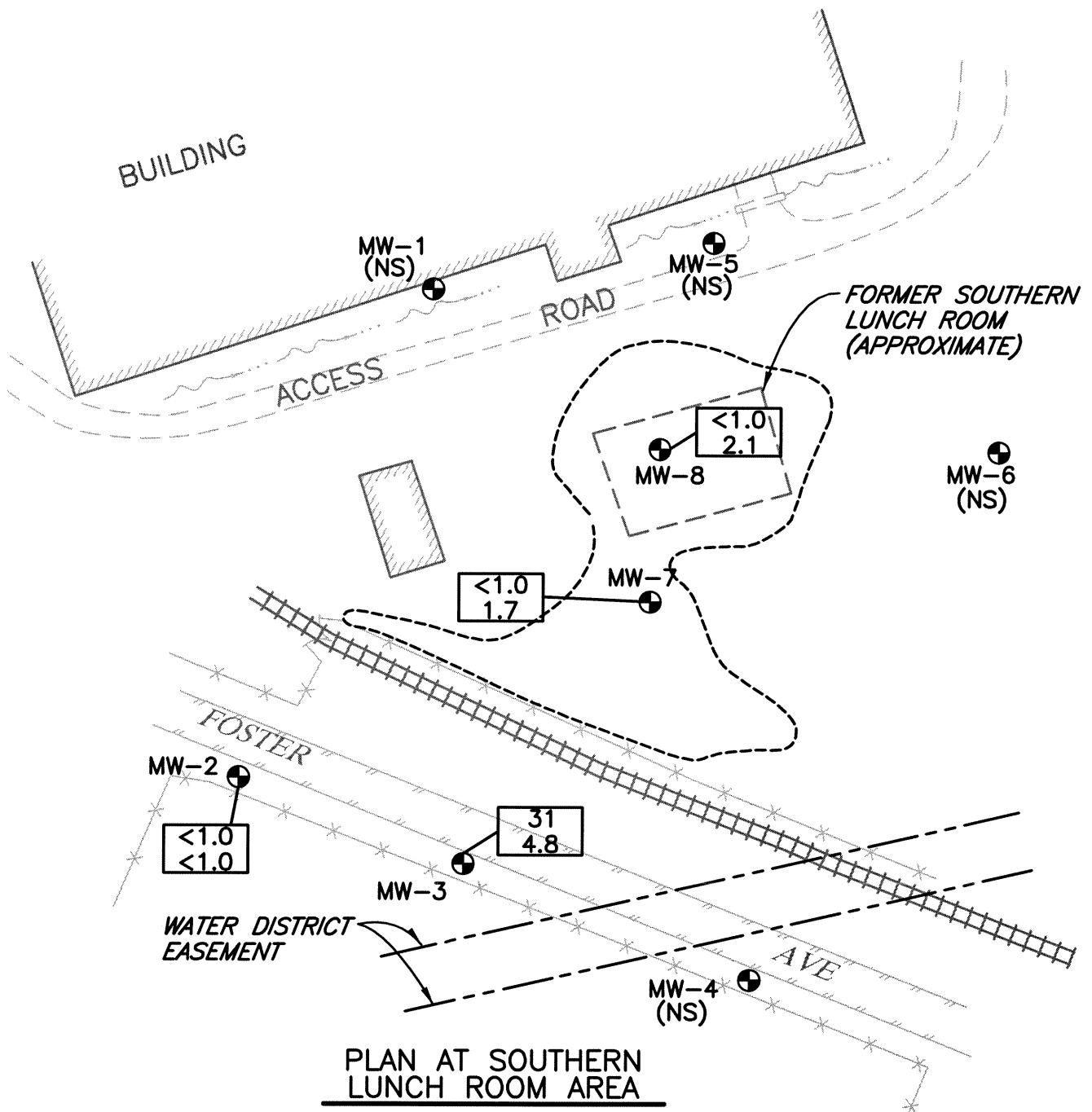
1. ug/L: micrograms per Liter
2. Analyzed in general accordance with U.S. Environmental Protection Agency (EPA) Method No. SW8270C.
3. Pentachlorophenol (PCP) and tetrachlorophenol (TCP), analyzed in general accordance with the Canadian Pulp Report Method.
4. DCE: Dichloroethene, analyzed in general accordance with EPA Method Nos. 5030B/8260B.
5. Analyzed in general accordance with EPA Method Nos. 5030B/8260B.
6. ND: Not Detected. See laboratory analytical report for constituent list and corresponding method detection limits.
7. <: Denotes a value that is "less than" the method detection limit.
8. Duplicate groundwater sample collected from monitoring well MW-3.

The complete analytical laboratory reports, chain-of-custody, and laboratory quality control data are included in Appendix C. A site map showing selected VOC concentrations in groundwater on May 10, 2006, is presented as Figure 5. Historic groundwater analytical data are included in Appendix B, Table B-2.

3.3 Natural Attenuation Parameters

Table 3 summarizes the analytical results of select inorganic constituents used to assess whether or not reductive de-chlorination of organic compounds is occurring.

When reductive de-chlorination is occurring, alkalinity, chloride, dissolved iron, and dissolved manganese concentrations typically increase within the source plume, while sulfate and nitrate concentrations typically decrease. Monitoring wells MW-7 and MW-8 are considered representative of the source area. Well MW-2 is considered representative of conditions outside of the contaminant plume. As shown in Table 3, these trends were followed for all constituents.



EXPLANATION

MW-2 MONITORING WELL
 ● LOCATION AND DESIGNATION

<1.0 CIS-1,2 DICHLOROETHENE
 <1.0 VINYL CHLORIDE RESULTS IN ug/L

----- APPROXIMATE LIMITS OF EXCAVATION
 (NS) NOT SAMPLED

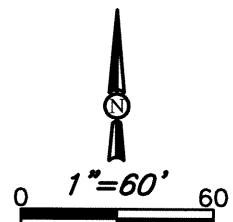


Table 3
Reductive De-chlorination Indicator Results, May 10, 2006
Former Simpson Remanufacturing Facility, Arcata, California

Sample Location	Alkalinity ¹ (mg/L as CaCO ₃) ²	Chloride ³ (mg/L)	Sulfate ³ (mg/L)	Nitrate ³ (mg/L)	Dissolved Iron ⁴ (ug/L) ⁵	Dissolved Manganese ⁴ (ug/L) ⁵
MW-2	36	5.1	5.6	5.5	<100 ⁶	2.3
MW-3	150	9.8	1.1	<0.10	2,400	890
Dup ⁷	150	9.8	1.1	<0.10	2,500	890
MW-7	210	8.3	5.2	<0.10	4,000	1,100
MW-8	190	17	<0.50	<0.10	13,000	1,600

- Analyzed in general accordance with Standard Method 19th Edition 2320B
- mg/L: milligrams per Liter
- Analyzed in general accordance with U.S. Environmental Protection Agency (EPA) Method No. 300.0
- Analyzed in general accordance with EPA Method No. 200.7
- ug/L: micrograms per Liter.
- <: Denotes a value that is "less than" the method detection limit.
- Duplicate groundwater sample collected from monitoring well MW-3.

DO, DCO₂, and ORP were measured in monitoring wells MW-2, MW-3, MW-7, and MW-8 on May 10, 2006, prior to sampling, and are summarized in Table 4.

Table 4
DO, DCO₂, and ORP, Measurement Results, May 10, 2006
Former Simpson Remanufacturing Facility, Arcata, California

Sample Location	DO ¹ (ppm) ²	DCO ₂ ³ (ppm)	ORP ⁴ (mV) ⁵
MW-2	8.09	45	268
MW-3	2.19	70	158
MW-7	1.30	95	62
MW-8	1.27	300	-31

- DO: Dissolved Oxygen, field measured using portable instrumentation.
- ppm: Measurement concentration, in parts per million.
- DCO₂: Dissolved Carbon Dioxide, measured using a field test kit.
- ORP: Oxidation-Reduction Potential measured using portable instrumentation.
- mV: millivolts

During this monitoring event, DO concentrations ranged from 1.27 parts per million (ppm) in well MW-8, to 8.09 ppm in well MW-2. These DO concentrations may be sufficient to support aerobic biodegradation. DCO₂ levels within the source area (300 and 95 ppm in wells MW-8 and MW-7, respectively) are greater than background levels (45 ppm in well MW-2), indicating that biodegradation is occurring. ORP measurements ranged from -31 millivolts (mV) in well MW-8, to 268 mV in well MW-2. These concentrations are representative of anaerobic to mildly aerobic conditions. Historic DO, DCO₂, and ORP measurement results are presented in Appendix B, Table B-3.

An analysis of degradation indicators shows that both aerobic degradation and reductive de-chlorination is occurring. Depleted DO concentrations across the site along with increased DCO₂ concentrations within the source area indicate that conditions within the source area are becoming anaerobic. The trends of the reductive de-chlorination indicators in the source area, along with the continued presence of vinyl chloride in wells MW-3, MW-7, and MW-8, indicate that chlorinated compounds are degrading.

3.4 Quality Assurance

Precision goals outlined in the quality assurance project plan appended in the site investigation work plan (SHN, 2003), were reviewed with respect to the duplicate sample collected from monitoring well MW-3. Vinyl chloride, trans-1,2-DCE, cis-1,2-DCE, and benzene concentrations in the duplicate sample from MW-3 were within the precision goals.

4.0 Discussion and Recommendations

Information collected during this quarterly groundwater-monitoring event indicates:

- The groundwater elevations on May 10, 2006, have decreased when compared to those collected during the February 2006 groundwater-monitoring event. During this monitoring event, the direction of groundwater flow beneath the site was to the northwest, and is consistent with the direction of flow during the February 2006 (northwest) monitoring event.
- PCP, TCP, and Phenols were not detected in any of the groundwater samples that were collected on May 10, 2006.
- Cis-1,2-DCE and trans-1,2-DCE were detected in the groundwater sample collected from monitoring well MW-3.
- Vinyl chloride was detected in the groundwater samples collected from monitoring wells MW-3, MW-7, and MW-8.
- Benzene was detected in the groundwater samples collected from monitoring wells MW-3 and MW-7.

The presence of vinyl chloride (a decay product of VOCs, including cis-1,2-DCE) in site wells indicates that VOC biodegradation is occurring. In addition, reductive de-chlorination indicators show that VOC degradation is occurring.

In the work plan, *Amended Subsurface Investigation, Monitoring Well Installation, and Groundwater Monitoring Work Plan*, dated November 2003, SHN recommended that groundwater monitoring be conducted for a period of one year upon completion of wells MW-7 and MW-8. This work plan was approved by the DTSC and the RWQCB in December 2003. In November 2004, the approved one year of quarterly monitoring was completed.

On March 15, 2005, SHN submitted a Five-Year Review Report to the DTSC, presenting the results of work conducted at the site in 2004, along with a summary of the work completed over the past five years. In a letter dated July 6, 2005, the DTSC concurred with the recommendation presented in the five-year review report. Therefore, in accordance with the site recommendations, SHN will continue quarterly monitoring. Quarterly monitoring will continue until July 2006, at which time, recommendations for the site will be made. The next monitoring event is scheduled for July 2006.

5.0 References Cited

- Kelley, Frederic. (1984). Geology and Geomorphic Features Related to Landsliding, Arcata North 7.5-minute quadrangle, Humboldt County, California. NR: CDMG.
- Pacific Northwest EnviroNet Group, Inc. (1997). *Final Removal Action Work Plan Prepared for the Former Simpson Timber Company Remanufacturing Plant Site*. Santa Rosa: EnviroNet.
- SHN Consulting Engineers & Geologists, Inc. (2003). *Amended Subsurface Investigation, Monitoring Well Installation, and Groundwater Monitoring Work Plan, Former Simpson Remanufacturing Plant, Arcata, California*. Eureka: SHN.
- . (2004). *Report of Findings and First Quarter 2004 Groundwater Monitoring Report, Former Simpson Remanufacturing Facility, Arcata, California*. Eureka: SHN.

Appendix A

Field Notes / Discharge Receipts



CONSULTING ENGINEERS & GEOLOGISTS, INC.

480 Hemsted Drive • Redding, CA 96002 • Tel: 530.221.5424 • FAX: 530.221.0135 • E-mail: shninfo@shn-redding.com
812 W. Wabash • Eureka, CA 95501 • Tel: 707.441.8855 • FAX: 707.441.8877 • E-mail: shninfo@shn-engr.com

DAILY FIELD REPORT

JOB NO

003154

Page 1 of

DAILY FIELD REPORT SEQUENCE NO

DATE

5/10/06

DAY OF WEEK

Wed.

PROJECT ENGINEER/ SUPERVISOR

Frans Lowman / Roland Rieber

TECHNICIAN

Dustin Tibbets

PROJECT NAME <i>Simpson Reman Facility</i>	CLIENT/OWNER <i>Simpson Reman Company</i>	
GENERAL LOCATION OF WORK <i>Arcata CA.</i>	OWNER/CLIENT REPRESENTATIVE <i>Rob Ricci</i>	
TYPE OF WORK <i>Sampling</i>	WEATHER <i>Partly Cloudy</i>	
SOURCE & DESCRIPTION OF FILL MATERIAL	KEY PERSONS CONTACTED	

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING

- 1005 On s.t.e open up well's taking water levels & DO readings.
 1057 Purging MW-2 with a disposable bailer. All purge water was caught in 5gal. buckets.
 1140 Sampled MW-2 with its bailer. Locked up well. MW- 2
 1158 Purging MW-3 with a disposable bailer. All purge water was caught in 5gal. buckets.
 1223 Sampled MW-3 with its bailer. MW- 3
 Took Dup sample on MW-3. Locked up well.
 1255 Purging MW-7 with a disposable bailer. All purge water was caught in 5gal. buckets.
 1430 Sampled MW-7 with its bailer. Locked up well. MW- 7
 1445 Purging MW-8 with a disposable bailer. All purge water was caught in 5gal. buckets.
 1520 Sampled MW-8 with its bailer. Locked up well. MW- 8
 1540 Off s.t.e.

Note: All purge water and decon water was transported to SHN's P.W.S.T. located at 812 W. Wabash Ave. Eureka CA
41 gal. total.

	Purge	Sampled
MW- 1	No	No
MW- 2	Yes	Yes
MW- 3	Yes	Yes
MW- 4	No	No
MW- 5	No	No
MW- 6	No	No
MW- 7	Yes	Yes
MW- 8	Yes	Yes

COPY GIVEN TO:

REPORTED BY:

Dustin Tibbets



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-enqr.com

Groundwater Elevations

Job No.: 003154

Name: Dustin Tibbets

Client: Simpson Timber Company

Date: 5/10/06

Location: Arcata

Weather: *Partly cloudy*



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-enr.com

EQUIPMENT CALIBRATION SHEET

Name:	<u>Dustin Tibbets</u>			
Project Name:	<u>Simpson Reman Facility</u>			
Reference No.:	<u>003154</u>			
Date:	<u>5/10/06</u>			
Equipment:	<input checked="" type="checkbox"/> pH & EC	<input type="checkbox"/> PID	<input type="checkbox"/> GTCO ₂	<input type="checkbox"/> GTTEL
	<input type="checkbox"/> Turbidity	<input checked="" type="checkbox"/> Other	<u>Dissolved Oxygen meter</u>	

Description of Calibration Procedure and Results:

pH + EC meter calibrated using a 2 buffer method
with a pH 7.00 and 4.01, meter was set exactly to
7.00 and 4.01 and conductivity was set at 700 umhos.

DO meter is self calibrating with the
Altimeter set at 0.



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2138 • 707/441-8855 • FAX: 707/441-8877 • shninfo@shn-enqr.com

Water Sampling Data Sheet

Project Name:	<u>Simpson Reman Facility</u>	Date/Time:	<u>5/10/06</u>
Project No.:	<u>003154</u>	Sampler Name:	<u>Dustin Tibbets</u>
Location:	<u>Arcata Ca.</u>	Sample Type:	<u>Water</u>
Well #:	<u>MW-2</u>	Weather	<u>Partly Cloudy</u>
Hydrocarbon Thickness/Depth (feet):		Key Needed:	<u>Dolphin</u>

$$\frac{\text{Total Well Depth (feet)} - \text{Initial Depth to Water (feet)}}{\text{Height of Water Column (feet)}} \times \frac{0.163 \text{ gal/ft (2-inch well) /} \\ 0.653 \text{ gal/ft (4-inch well)}}{=} \text{1 Casing Volume (gal)}$$

25.10	-	4.50	=	20.06	x	.163	=	3.30 \times 3 = 9.89
-------	---	------	---	-------	---	------	---	----------------------

Purge Method: Bailey

Total Volume Removed: 10 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-2	3	HCL	NCL	8260 I, st 9
	1			Pcp/TCP can Pulp
	1			8270 Phenols
	1			D.e.Fe + Manganese No _x , SO ₄ , Alk, Chloride

Well Condition:

Remarks:

Recharge to 4.50 at sample time. - 1140



Water Sampling Data Sheet

Project Name:	<u>Simpson Reman Facility</u>	Date/Time:	<u>5/10/06</u>
Project No.:	<u>003154</u>	Sampler Name:	<u>Dustin Tibbets</u>
Location:	<u>Arcata Ca.</u>	Sample Type:	<u>Water</u>
Well #:	<u>MW-3</u>	Weather	<u>Partly Cloudy</u>
Hydrocarbon Thickness/Depth (feet):		Key Needed:	<u>Dolphin</u>

$$\begin{array}{l} \text{Total Well Depth} \quad - \quad \text{Initial Depth to} \\ (\text{feet}) \qquad \qquad \qquad \text{Water (feet)} \qquad = \qquad \text{Height of Water} \\ \boxed{25.25} \quad - \quad \boxed{5.00} \qquad = \qquad \boxed{20.25} \end{array} \times \begin{array}{l} 0.163 \text{ gal/ft (2-inch well) /} \\ 0.653 \text{ gal/ft (4-inch well)} \end{array} = \begin{array}{l} 1 \text{ Casing Volume} \\ (\text{gal}) \end{array}$$

$$\times \boxed{.163} = \boxed{3.24 \times 3 = 9.72}$$

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1056	2.19						0	
1200	70	158					.25 gal.	
1204				297	57.6°	6.46	3.25 gal.	
1208	No flow			299	57.7°	6.47	6.5 gal.	
1214	thru cell			299	57.9°	6.51	9.35 gal	

Purge Method: BoilerTotal Volume Removed: 9.75 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-3	3	HCL	NCL	8260 1st9
	1			PCP/TCP can Pulp
	1			8270 Phenols
	1			Dis Fe + Manganese
				Na ₂ SO ₄ , Alk, chloride

Well Condition:

Remarks: Took Deep sample on MW-3Recharge to 5.00 at sample time. - 12.25



Water Sampling Data Sheet

Project Name:	<u>Simpson Reman Facility</u>	Date/Time:	<u>5/10/06</u>
Project No.:	<u>003154</u>	Sampler Name:	<u>Dustin Tibbetts</u>
Location:	<u>Arcata Ca.</u>	Sample Type:	<u>Water</u>
Well #:	<u>MW-7</u>	Weather:	<u>Partly cloudy</u>
Hydrocarbon Thickness/Depth (feet):		Key Needed:	<u>Dolphin</u>

$$\begin{array}{l} \text{Total Well Depth} - \text{Initial Depth to Water (feet)} = \text{Height of Water Column (feet)} \times 0.163 \text{ gal/ft (2-inch well) /} \\ \boxed{24.05} - \boxed{3.76} = \boxed{20.29} \times \boxed{0.163} = \boxed{3.25 \times 3 = 9.74} \end{array}$$

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1343	1.30						0 gal.	
1358		95	62				.25 gal.	
1403				51.5	55.8	6.27	3.25 gal.	
1413	No flow			479	55.4	6.26	6.5 gal	
1418	flow cell			390	55.9	6.24	9.75 gal	

Purge Method: BoilerTotal Volume Removed: 9.75 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-7	3	HCL	NCL	8270 list 9
1	1			PCP/TCP can Pulp
1	1			8270 Phenols
1	1			Dis Fe & Manganese NO _x , SO ₄ , Alk, Chloride

Well Condition:

Remarks:

Recharge to 3.76 at sample time. - 1430



Water Sampling Data Sheet

Project Name:	Simpson Reman Facility	Date/Time:	5/10/06
Project No.:	003154	Sampler Name:	Dustin Tibbets
Location:	Arcata Ca.	Sample Type:	Water
Well #:	MW-8	Weather:	Partly Cloudy
Hydrocarbon Thickness/Depth (feet):		Key Needed:	Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
24.08	-	3.87	=	20.21	x	.163	=	3.23x3=9.70

Time	DO (ppm)	CO ₂ (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1348	1.27						0	
1451		300	-31				.25 gal,	
1455				610	56.4°	5.88	3.25 gal,	
1500	No flow			504	56.7°	6.07	6.5 gal	
1506	thru cell			455	57°	6.09	9.75 gal.	

Purge Method: BoilerTotal Volume Removed: 9.75 (gal)

Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-8	3	HCL	NCL	8220 1st 9
	1			PCP/ICP can pulp
	1			8220 Phenols
	1			DiFe + Manganese
				Nar, Sod, Alk, Chloride

Well Condition:

Remarks:

Recharge to 3.88 at sample time. - 1520

Client Name:

SIMPSON ARCATA REMAN

The water from your site:

3315 FOSTER AVENUE, ARCATTA, CA

SHN ref# 003154

Collected On: 5/10/2006

Has been tested and certified as acceptable to be discharged into the City of Eureka municipal sewer system.

Amount Discharged:

41 GALLONS

Date Discharged:

6/6/2006

Certified by: AARON MELODY

SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.

City of Eureka Wastewater Discharge Permit #65

Client Name: **SIMPSON ARCATA REMAN**

The water from your site: **3315 FOSTER AVENUE, ARCATA, CA**

SHN ref #: **003154** Collected On: **2/9/2006**

Has been tested and certified as acceptable to be discharged into the City of Eureka municipal sewer system.

Amount Discharged: **43 GALLONS**

Date Discharged: **4/25/2006**

Certified by: **AARON MELODY**

SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.
City of Eureka Wastewater Discharge Permit #65

Appendix B
Historic Monitoring Data

Table B-1
Historic Groundwater Elevations
Former Simpson Remanufacturing Facility, Arcata, California

Sample Location	Sampling Date	Top of Casing Elevation (feet) ¹	Depth to Water (feet) ²	Groundwater Elevation (feet) ³
MW-1	2/5/04	20.69	3.13	17.56
	5/19/04		4.37	16.32
	8/30/04		8.59	12.10
	11/9/04		8.93	11.76
	7/20/05		4.73	15.96
	10/24/05		7.90	12.79
	2/9/06		2.19	18.50
	5/10/06		3.05	17.64
MW-2	2/5/04	22.10	4.53	17.57
	5/19/04		5.80	16.30
	8/30/04		9.96	12.14
	11/9/04		10.36	11.74
	7/20/05		6.15	15.95
	10/24/05		9.28	12.82
	2/9/06		3.60	18.50
	5/10/06		4.50	17.60
MW-3	2/5/04	22.85	5.04	17.81
	5/19/04		6.94	15.91
	8/30/04		11.40	11.45
	11/9/04		12.14	10.71
	7/20/05		7.23	15.62
	10/24/05		10.62	12.23
	2/9/06		3.45	19.40
	5/10/06		5.00	17.85
MW-4	2/5/04	22.48	4.57	17.91
	5/19/04		6.71	15.77
	8/30/04		11.16	11.32
	11/9/04		11.96	10.52
	7/20/05		6.95	15.53
	10/24/05		10.33	12.15
	2/9/06		2.60	19.88
	5/10/06		4.37	18.11
MW-5	2/5/04	21.82	4.20	17.62
	5/19/04		5.47	16.35
	8/30/04		9.73	12.09
	11/9/04		10.02	11.80
	7/20/05		5.81	16.01
	10/24/05		9.03	12.79
	2/9/06		3.22	18.60
	5/10/06		4.10	17.72
MW-6	2/5/04	23.03	5.13	17.90
	5/19/04		7.09	15.94
	8/30/04		11.59	11.44
	11/9/04		12.31	10.72
	7/20/05		7.37	15.66
	10/24/05		10.78	12.25
	Not able to locate well			
	5/10/06		5.00	18.03
MW-7	2/5/04	21.48	3.84	17.64
	5/19/04		5.19	16.29
	8/30/04		9.42	12.06
	11/9/04		9.81	11.67
	7/20/05		5.52	15.96
	10/24/05		8.73	12.75
	2/9/06		2.90	18.58
	5/10/06		3.76	17.72
MW-8	2/5/04	21.56	3.94	17.62
	5/19/04		5.24	16.32
	8/30/04		9.47	12.09
	11/9/04		9.79	11.77
	7/20/05		5.58	15.98
	10/24/05		8.78	12.78
	2/9/06		2.96	18.60
	5/10/06		3.87	17.69

1. Relative to National Geodetic Vertical Datum 1929
 2. Below top of casing

Table B-2
Historic Groundwater Analytical Results
Former Simpson Remanufacturing Facility, Arcata, California

Sample Location	Sample Date	Phenols ²	PCP ³	TCP ³	trans-1,2-DCE ⁴	cis-1,2-DCE	Vinyl Chloride	Benzene	Total Xylenes
MW-1	2/5/04	ND ⁵	<0.30 ⁶	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	5/19/04	Groundwater sampling of this well no longer required.							
MW-2									
	2/5/04	ND	<0.30	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	5/19/04	NS ⁷	NS	NS	NS	NS	NS	NS	NS
	8/30/04	ND	0.58	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	11/9/04	ND	<0.30	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0
	7/20/05	NA ⁸	<0.30	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	8/1/05	ND	NA	NA	NA	NA	NA	NA	NA
	10/24/05	ND	<0.30	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	2/9/06	ND	<0.30	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	5/10/06	ND	<0.30	<1.0	<1.0	<1.0	<1.0	<0.50	<1.0
MW-3									
	2/5/04	ND	<0.30	<1.0	<1.0	14	1.6	<0.50	<0.50
	5/19/04	ND	<0.30	<1.0	<1.0	19	2.4	0.70	<0.50
	8/30/04	ND	<0.30	<1.0	<1.0	30	2.8	0.66	<0.50
	11/9/04	ND	<0.30	<1.0	2.0	24	1.7	0.82	<1.0
	7/20/05	NA	<0.30	<1.0	<1.0	15	1.7	<0.50	<0.50
	8/1/05	ND	NA	NA	NA	NA	NA	NA	NA
	10/24/05	ND	<0.30	<1.0	<1.0	12	1.1	<0.50	<0.50
	2/9/06	ND	<0.30	<1.0	<1.0	25	2.6	0.58	<0.50
	5/10/06	ND	<0.30	<1.0	1.0	31	4.8	0.76	<1.0
MW-4									
	2/5/04	ND	<0.30	<1.0	<1.0	1.5	<1.0	<0.50	<0.50
	5/19/04	Groundwater sampling of this well no longer required							
MW-5									
	2/5/04	ND	<0.30	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	5/19/04	Groundwater sampling of this well no longer required							
MW-6									
	2/5/04	ND	<0.30	<1.0	<1.0	<1.0	<1.0	<0.50	<0.50
	5/19/04	Groundwater sampling of this well no longer required							
MW-7									
	2/5/04	ND	<0.30	<1.0	<1.0	4.2	77	2.6	<0.50
	5/19/04	ND	<0.30	<1.0	<1.0	3.8	64	2.8	<0.50
	8/30/04	ND	<0.30	<1.0	<1.0	1.7	29	2.5	<0.50

Table B-2
Historic Groundwater Analytical Results
Former Simpson Remanufacturing Facility, Arcata, California

Sample Location	Sample Date	Phenols ²	PCP ³	TCP ³	trans-1,2-DCE ⁴	cis-1,2-DCE	Vinyl Chloride	Benzene	Total Xylenes
MW-7	11/9/04	ND	<0.30	<1.0	<1.0	1.2	8.9	2.5	<1.0
cont'd	7/20/05	NA	<0.30	<1.0	<1.0	<1.0	6.6	2.0	<0.50
	8/1/05	ND	NA	NA	NA	NA	NA	NA	NA
	10/24/05	ND	<0.30	<1.0	<1.0	<1.0	3.9	1.8	<0.50
	2/9/06	ND	<0.30	<1.0	<1.0	<1.0	<1.0	0.66	<0.50
	5/10/06	ND	<0.30	<1.0	<1.0	<1.0	1.7	0.60	<1.0
MW-8	2/5/04	ND	<0.30	<1.0	<1.0	<1.0	6.6	<0.50	0.70
	5/19/04	ND	<0.30	<1.0	<1.0	<1.0	3.4	<0.50	0.99
	8/30/04	ND	0.52	<1.0	<1.0	<1.0	2.4	<0.50	<0.50
	11/9/04	ND	<0.30	<1.0	<1.0	<1.0	2.6	<0.50	<1.0
	7/20/05	NA	<0.30	<1.0	<1.0	<1.0	4.1	<0.50	<0.50
	8/1/05	ND	NA	NA	NA	NA	NA	NA	NA
	10/24/05	ND	<0.30	<1.0	<1.0	<1.0	5.4	<0.50	<0.50
	2/9/06	ND	<0.30	<1.0	<1.0	<1.0	2.0	<0.50	0.72
	5/10/06	ND	<0.30	<1.0	<1.0	<1.0	2.1	<0.50	<1.0

1. µg/L: micrograms per Liter

2. Analyzed in general accordance with U.S. Environmental Protection Agency (EPA) Method No. 8270

3. Pentachlorophenol (PCP) and tetrachlorophenol (TCP), analyzed in general accordance with the Canadian Pulp Report Method

4. DCE: Dichloroethene

5. ND: Not Detected.

6. <: Denotes a value that is "less than" laboratory method detection limit.

7. NS: Not Sampled

8. NA: Not Analyzed

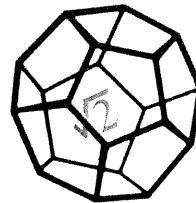
Table B-3
Historic Biodegradation Indicator Measurement Results
Former Simpson Remanufacturing Facility, Arcata, California

Sample Location	Sample Date	DO ¹ (ppm) ²	DCO ₂ ³ (ppm)	ORP ⁴ (mV) ⁵
MW-1	2/5/04	1.34	100	301
	5/19/04	Groundwater sampling of this well no longer required.		
MW-2	2/5/04	9.89	25	296
	5/19/04	NM ⁶	NM	NM
	8/30/04	0.48	40	2
	11/9/04	0.82	30	105
	7/20/05	0.46	30	184
	10/24/05	1.07	30	88
	2/9/06	7.99	40	110
	5/10/06	8.09	45	268
MW-3	2/5/04	5.98	30	-116
	5/19/04	0.74	35	130
	8/30/04	0.43	60	-32
	11/9/04	0.69	35	66
	7/20/05	0.48	30	186
	10/24/05	1.02	30	-60
	2/9/06	2.63	45	-13
	5/10/06	2.19	70	158
MW-4	2/5/04	5.63	50	298
	5/19/04	Groundwater sampling of this well no longer required.		
MW-5	2/5/04	1.37	80	323
	5/19/04	Groundwater sampling of this well no longer required.		
MW-6	2/5/04	3.36	70	332
	5/19/04	Groundwater sampling of this well no longer required.		
MW-7	2/5/04	1.29	120	245
	5/19/04	0.51	90	34
	8/30/04	0.45	100	49
	11/9/04	0.70	110	94
	7/20/05	0.44	150	33
	10/24/05	1.05	50	54
	2/9/06	2.69	175	-42
	5/10/06	1.30	95	62
MW-8	2/5/04	1.33	120	219
	5/19/04	0.78	600	-31
	8/30/04	0.52	400	43
	11/9/04	0.72	350	30
	7/20/05	0.49	500	-18
	10/24/05	1.02	250	-51
	2/9/06	2.58	400	-61
	5/10/06	1.27	300	-31

1. DO: Dissolved Oxygen; field measured using portable instrumentation
2. ppm: parts per million
3. DCO₂: Dissolved Carbon Dioxide; ; field measured using portable instrumentation
4. ORP: Oxidation-Reduction Potential
5. mV: millivolts
6. NM: Not Measured

Appendix C
Laboratory Analytical Reports

REC'D MAY 30 2006



**NORTH COAST
LABORATORIES LTD.**

May 24, 2006

SHN Consulting Engineers and Geologists
812 West Wabash Avenue
Eureka, CA 95501

Attn: Diana Monroe

RE: 003154 Simpson Reman Facility

Order No.: 0605199
Invoice No.: 58316
PO No.:
ELAP No. 1247-Expires July 2006

SAMPLE IDENTIFICATION

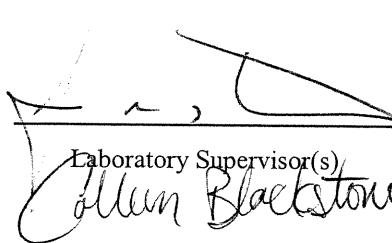
Fraction	Client Sample Description
01A	MW-2
01B	MW-2 (Dissolved)
01C	MW-2
01D	MW-2
02A	MW-3
02B	MW-3 (Dissolved)
02C	MW-3
02D	MW-3
03A	MW-7
03B	MW-7 (Dissolved)
03C	MW-7
03D	MW-7
04A	MW-8
04B	MW-8 (Dissolved)
04C	MW-8
04D	MW-8
05A	Dup
05B	Dup (Dissolved)
05C	Dup
05D	Dup

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

REPORT CERTIFIED BY


Laboratory Supervisor(s)
Colleen Blackstone


QA Unit


Jesse G. Chaney, Jr.
Laboratory Director

CLIENT: SHN Consulting Engineers and Geologists
Project: 003154 Simpson Reman Facility
Lab Order: 0605199

CASE NARRATIVE**Chloride:**

Matrix spike was not quantifiable (NQ) due to the large amount of analyte in the sample which was spiked.

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: MW-2
Lab ID: 0605199-01A

Received: 5/10/06

Collected: 5/10/06 11:40

Test Name: Penta- and Tetrachlorophenol

Reference: Canadian Pulp Report

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Tetrachlorophenol	ND	1.0	µg/L	1.0	5/17/06	5/17/06
Pentachlorophenol	ND	0.30	µg/L	1.0	5/17/06	5/17/06
Surrogate: Dibromophenol	95.8	66.5-118	% Rec	1.0	5/17/06	5/17/06

Client Sample ID: MW-2 (Dissolved)

Received: 5/10/06

Collected: 5/10/06 11:40

Lab ID: 0605199-01B

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Iron	ND	100	µg/L	1.0	5/11/06	5/19/06
Manganese	2.3	2.0	µg/L	1.0	5/11/06	5/19/06

Client Sample ID: MW-2

Received: 5/10/06

Collected: 5/10/06 11:40

Lab ID: 0605199-01C

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	36	1.0	mg/L CaCO ₃	1.0		5/11/06

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chloride	5.1	0.10	mg/L	1.0		5/11/06
Sulfate	5.6	0.50	mg/L	1.0		5/11/06

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	5.5	0.10	mg/L	1.0		5/11/06

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: MW-2
Lab ID: 0605199-01D

Received: 5/10/06

Collected: 5/10/06 11:40

Test Name: EPA 8260B

Reference: EPA 5030B/8260B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chloromethane	ND	2.0	µg/L	1.0		5/19/06
Vinyl chloride	ND	1.0	µg/L	1.0		5/19/06
Bromomethane	ND	1.0	µg/L	1.0		5/19/06
Chloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichlorofluoromethane	ND	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
Methylene chloride	ND	2.0	µg/L	1.0		5/19/06
trans-1,2-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,2-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
Chloroform	ND	1.0	µg/L	1.0		5/19/06
Carbon Tetrachloride	ND	1.0	µg/L	1.0		5/19/06
1,1,1-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Benzene	ND	0.50	µg/L	1.0		5/19/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichloroethene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichloropropane	ND	1.0	µg/L	1.0		5/19/06
Bromodichloromethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
Toluene	ND	0.50	µg/L	1.0		5/19/06
Tetrachloroethene	ND	1.0	µg/L	1.0		5/19/06
trans-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
1,1,2-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Dibromochloromethane	ND	1.0	µg/L	1.0		5/19/06
Chlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		5/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		5/19/06
o-Xylene	ND	0.50	µg/L	1.0		5/19/06
Bromoform	ND	1.0	µg/L	1.0		5/19/06
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	1.0		5/19/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Surrogate: 1,2-Dichloroethane-d4	109	80-120	% Rec	1.0		5/19/06
Surrogate: 1,4-Dichlorobenzene-d4	94.8	80-120	% Rec	1.0		5/19/06
Surrogate: Dibromofluoromethane	108	80-120	% Rec	1.0		5/19/06
Surrogate: Toluene-d8	99.2	80-120	% Rec	1.0		5/19/06

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: MW-3
Lab ID: 0605199-02A

Received: 5/10/06

Collected: 5/10/06 12:25

Test Name: Penta- and Tetrachlorophenol

Reference: Canadian Pulp Report

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Tetrachlorophenol	ND	1.0	µg/L	1.0	5/17/06	5/17/06
Pentachlorophenol	ND	0.30	µg/L	1.0	5/17/06	5/17/06
Surrogate: Dibromophenol	95.2	66.5-118	% Rec	1.0	5/17/06	5/17/06

Client Sample ID: MW-3 (Dissolved)
Lab ID: 0605199-02B

Received: 5/10/06

Collected: 5/10/06 12:25

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Iron	2,400	100	µg/L	1.0	5/11/06	5/19/06
Manganese	890	2.0	µg/L	1.0	5/11/06	5/19/06

Client Sample ID: MW-3
Lab ID: 0605199-02C

Received: 5/10/06

Collected: 5/10/06 12:25

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	150	1.0	mg/L CaCO ₃	1.0	5/11/06	

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chloride	9.8	0.10	mg/L	1.0	5/11/06	
Sulfate	1.1	0.50	mg/L	1.0	5/11/06	

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	ND	0.10	mg/L	1.0	5/11/06	

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: MW-3
Lab ID: 0605199-02D

Received: 5/10/06

Collected: 5/10/06 12:25

Test Name: EPA 8260B

Reference: EPA 5030B/8260B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chloromethane	ND	2.0	µg/L	1.0		5/19/06
Vinyl chloride	4.8	1.0	µg/L	1.0		5/19/06
Bromomethane	ND	1.0	µg/L	1.0		5/19/06
Chloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichlorofluoromethane	ND	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
Methylene chloride	ND	2.0	µg/L	1.0		5/19/06
trans-1,2-Dichloroethene	1.0	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,2-Dichloroethene	31	1.0	µg/L	1.0		5/19/06
Chloroform	ND	1.0	µg/L	1.0		5/19/06
Carbon Tetrachloride	ND	1.0	µg/L	1.0		5/19/06
1,1,1-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Benzene	0.76	0.50	µg/L	1.0		5/19/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichloroethene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichloropropane	ND	1.0	µg/L	1.0		5/19/06
Bromodichloromethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
Toluene	ND	0.50	µg/L	1.0		5/19/06
Tetrachloroethene	ND	1.0	µg/L	1.0		5/19/06
trans-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
1,1,2-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Dibromochloromethane	ND	1.0	µg/L	1.0		5/19/06
Chlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		5/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		5/19/06
o-Xylene	ND	0.50	µg/L	1.0		5/19/06
Bromoform	ND	1.0	µg/L	1.0		5/19/06
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	1.0		5/19/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Surrogate: 1,2-Dichloroethane-d4	109	80-120	% Rec	1.0		5/19/06
Surrogate: 1,4-Dichlorobenzene-d4	96.5	80-120	% Rec	1.0		5/19/06
Surrogate: Dibromofluoromethane	109	80-120	% Rec	1.0		5/19/06
Surrogate: Toluene-d8	99.6	80-120	% Rec	1.0		5/19/06

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: MW-7
Lab ID: 0605199-03A

Received: 5/10/06

Collected: 5/10/06 14:30

Test Name: Penta- and Tetrachlorophenol

Reference: Canadian Pulp Report

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Tetrachlorophenol	ND	1.0	µg/L	1.0	5/17/06	5/17/06
Pentachlorophenol	ND	0.30	µg/L	1.0	5/17/06	5/17/06
Surrogate: Dibromophenol	94.3	66.5-118	% Rec	1.0	5/17/06	5/17/06

Client Sample ID: MW-7 (Dissolved)

Received: 5/10/06

Collected: 5/10/06 14:30

Lab ID: 0605199-03B

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Iron	4,000	100	µg/L	1.0	5/11/06	5/19/06
Manganese	1,100	2.0	µg/L	1.0	5/11/06	5/19/06

Client Sample ID: MW-7

Received: 5/10/06

Collected: 5/10/06 14:30

Lab ID: 0605199-03C

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	210	1.0	mg/L CaCO ₃	1.0	5/11/06	

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chloride	8.3	0.10	mg/L	1.0	5/11/06	
Sulfate	5.2	0.50	mg/L	1.0	5/11/06	

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	ND	0.10	mg/L	1.0	5/11/06	

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: MW-7
Lab ID: 0605199-03D

Received: 5/10/06

Collected: 5/10/06 14:30

Test Name: EPA 8260B

Reference: EPA 5030B/8260B

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Chloromethane	ND	2.0	µg/L	1.0		5/19/06
Vinyl chloride	1.7	1.0	µg/L	1.0		5/19/06
Bromomethane	ND	1.0	µg/L	1.0		5/19/06
Chloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichlorofluoromethane	ND	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
Methylene chloride	ND	2.0	µg/L	1.0		5/19/06
trans-1,2-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,2-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
Chloroform	ND	1.0	µg/L	1.0		5/19/06
Carbon Tetrachloride	ND	1.0	µg/L	1.0		5/19/06
1,1,1-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Benzene	0.60	0.50	µg/L	1.0		5/19/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichloroethene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichloropropane	ND	1.0	µg/L	1.0		5/19/06
Bromodichloromethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
Toluene	ND	0.50	µg/L	1.0		5/19/06
Tetrachloroethene	ND	1.0	µg/L	1.0		5/19/06
trans-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
1,1,2-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Dibromochloromethane	ND	1.0	µg/L	1.0		5/19/06
Chlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		5/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		5/19/06
o-Xylene	ND	0.50	µg/L	1.0		5/19/06
Bromoform	ND	1.0	µg/L	1.0		5/19/06
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	1.0		5/19/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Surrogate: 1,2-Dichloroethane-d4	111	80-120	% Rec	1.0		5/19/06
Surrogate: 1,4-Dichlorobenzene-d4	95.0	80-120	% Rec	1.0		5/19/06
Surrogate: Dibromofluoromethane	110	80-120	% Rec	1.0		5/19/06
Surrogate: Toluene-d8	99.1	80-120	% Rec	1.0		5/19/06

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: MW-8
Lab ID: 0605199-04A

Received: 5/10/06

Collected: 5/10/06 15:20

Test Name: Penta- and Tetrachlorophenol

Reference: Canadian Pulp Report

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Tetrachlorophenol	ND	1.0	µg/L	1.0	5/17/06	5/17/06
Pentachlorophenol	ND	0.30	µg/L	1.0	5/17/06	5/17/06
Surrogate: Dibromophenol	94.7	66.5-118	% Rec	1.0	5/17/06	5/17/06

Client Sample ID: MW-8 (Dissolved)

Received: 5/10/06

Collected: 5/10/06 15:20

Lab ID: 0605199-04B

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Iron	13,000	100	µg/L	1.0	5/11/06	5/19/06
Manganese	1,600	2.0	µg/L	1.0	5/11/06	5/19/06

Client Sample ID: MW-8

Received: 5/10/06

Collected: 5/10/06 15:20

Lab ID: 0605199-04C

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	190	1.0	mg/L CaCO ₃	1.0	5/11/06	

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chloride	17	0.10	mg/L	1.0	5/11/06	
Sulfate	ND	0.50	mg/L	1.0	5/11/06	

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	ND	0.10	mg/L	1.0	5/11/06	

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: MW-8
Lab ID: 0605199-04D

Received: 5/10/06

Collected: 5/10/06 15:20

Test Name: EPA 8260B

Reference: EPA 5030B/8260B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chloromethane	ND	2.0	µg/L	1.0		5/19/06
Vinyl chloride	2.1	1.0	µg/L	1.0		5/19/06
Bromomethane	ND	1.0	µg/L	1.0		5/19/06
Chloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichlorofluoromethane	ND	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
Methylene chloride	ND	2.0	µg/L	1.0		5/19/06
trans-1,2-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,2-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
Chloroform	ND	1.0	µg/L	1.0		5/19/06
Carbon Tetrachloride	ND	1.0	µg/L	1.0		5/19/06
1,1,1-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Benzene	ND	0.50	µg/L	1.0		5/19/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichloroethene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichloropropane	ND	1.0	µg/L	1.0		5/19/06
Bromodichloromethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
Toluene	ND	0.50	µg/L	1.0		5/19/06
Tetrachloroethene	ND	1.0	µg/L	1.0		5/19/06
trans-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
1,1,2-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Dibromochloromethane	ND	1.0	µg/L	1.0		5/19/06
Chlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		5/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		5/19/06
o-Xylene	ND	0.50	µg/L	1.0		5/19/06
Bromoform	ND	1.0	µg/L	1.0		5/19/06
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	1.0		5/19/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Surrogate: 1,2-Dichloroethane-d4	111	80-120	% Rec	1.0		5/19/06
Surrogate: 1,4-Dichlorobenzene-d4	95.3	80-120	% Rec	1.0		5/19/06
Surrogate: Dibromofluoromethane	111	80-120	% Rec	1.0		5/19/06
Surrogate: Toluene-d8	99.0	80-120	% Rec	1.0		5/19/06

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: Dup
Lab ID: 0605199-05A

Received: 5/10/06

Collected: 5/10/06 0:00

Test Name: Penta- and Tetrachlorophenol

Reference: Canadian Pulp Report

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Tetrachlorophenol	ND	1.0	µg/L	1.0	5/17/06	5/17/06
Pentachlorophenol	ND	0.30	µg/L	1.0	5/17/06	5/17/06
Surrogate: Dibromophenol	93.9	66.5-118	% Rec	1.0	5/17/06	5/17/06

Client Sample ID: Dup (Dissolved)
Lab ID: 0605199-05B

Received: 5/10/06

Collected: 5/10/06 0:00

Test Name: ICAP Metals with Acid Digestion

Reference: EPA 200.7

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Iron	2,500	100	µg/L	1.0	5/11/06	5/19/06
Manganese	890	2.0	µg/L	1.0	5/11/06	5/19/06

Client Sample ID: Dup
Lab ID: 0605199-05C

Received: 5/10/06

Collected: 5/10/06 0:00

Test Name: Alkalinity

Reference: Std. Meth. 19th Ed. 2320 B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Alkalinity	150	1.0	mg/L CaCO ₃	1.0	5/11/06	

Test Name: Chloride, sulfate, fluoride, bromide

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chloride	9.8	0.10	mg/L	1.0	5/11/06	
Sulfate	1.1	0.50	mg/L	1.0	5/11/06	

Test Name: Nitrate/Nitrite

Reference: EPA 300.0

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Nitrate (as Nitrogen)	ND	0.10	mg/L	1.0	5/11/06	

Date: 24-May-06
WorkOrder: 0605199

ANALYTICAL REPORT

Client Sample ID: Dup
Lab ID: 0605199-05D

Received: 5/10/06

Collected: 5/10/06 0:00

Test Name: EPA 8260B

Reference: EPA 5030B/8260B

Parameter	Result	Limit	Units	DF	Extracted	Analyzed
Chloromethane	ND	2.0	µg/L	1.0		5/19/06
Vinyl chloride	5.1	1.0	µg/L	1.0		5/19/06
Bromomethane	ND	1.0	µg/L	1.0		5/19/06
Chloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichlorofluoromethane	ND	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethene	ND	1.0	µg/L	1.0		5/19/06
Methylene chloride	ND	2.0	µg/L	1.0		5/19/06
trans-1,2-Dichloroethene	1.4	1.0	µg/L	1.0		5/19/06
1,1-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,2-Dichloroethene	31	1.0	µg/L	1.0		5/19/06
Chloroform	ND	1.0	µg/L	1.0		5/19/06
Carbon Tetrachloride	ND	1.0	µg/L	1.0		5/19/06
1,1,1-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Benzene	0.80	0.50	µg/L	1.0		5/19/06
1,2-Dichloroethane	ND	1.0	µg/L	1.0		5/19/06
Trichloroethene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichloropropane	ND	1.0	µg/L	1.0		5/19/06
Bromodichloromethane	ND	1.0	µg/L	1.0		5/19/06
cis-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
Toluene	ND	0.50	µg/L	1.0		5/19/06
Tetrachloroethene	ND	1.0	µg/L	1.0		5/19/06
trans-1,3-Dichloropropene	ND	1.0	µg/L	1.0		5/19/06
1,1,2-Trichloroethane	ND	1.0	µg/L	1.0		5/19/06
Dibromochloromethane	ND	1.0	µg/L	1.0		5/19/06
Chlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Ethylbenzene	ND	0.50	µg/L	1.0		5/19/06
m,p-Xylene	ND	0.50	µg/L	1.0		5/19/06
o-Xylene	ND	0.50	µg/L	1.0		5/19/06
Bromoform	ND	1.0	µg/L	1.0		5/19/06
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	1.0		5/19/06
1,3-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,4-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
1,2-Dichlorobenzene	ND	1.0	µg/L	1.0		5/19/06
Surrogate: 1,2-Dichloroethane-d4	111	80-120	% Rec	1.0		5/19/06
Surrogate: 1,4-Dichlorobenzene-d4	97.0	80-120	% Rec	1.0		5/19/06
Surrogate: Dibromofluoromethane	111	80-120	% Rec	1.0		5/19/06
Surrogate: Toluene-d8	98.4	80-120	% Rec	1.0		5/19/06

North Coast Laboratories, Ltd.

Date: 24-May-06

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0605199
Project: 003154 Simpson Reman Facility

QC SUMMARY REPORT

Method Blank

Sample ID	MB 051906	Batch ID:	R41402	Test Code:	8260W	Units:	µg/L	Analysis Date 5/19/06 6:20:00 AM			Prep Date			
Analyte		Client ID:		Run ID:	ORGCMSS3_060519A	SeqNo:	594138	% Rec	LowLimit	HighLimit	RPD Ref Val	% RPD	RPDLimit	Qual
Chloromethane				Result	0.2135	2.0								J
Vinyl chloride				Limit	ND	1.0								
Bromomethane					0.8804	1.0								
Chloroethane					ND	1.0								J
Trichlorofluoromethane					ND	1.0								
1,1-Dichloroethene					ND	1.0								
Methylene chloride					ND	2.0								
trans-1,2-Dichloroethene					ND	1.0								
1,1-Dichloroethane					ND	1.0								
cis-1,2-Dichloroethene					ND	1.0								
Chloroform					ND	1.0								
Carbon Tetrachloride					ND	1.0								
1,1,1-Trichloroethane					ND	1.0								
Benzene					ND	0.50								
1,2-Dichloroethane					ND	1.0								
Trichloroethene					ND	1.0								
1,2-Dichloropropane					ND	1.0								
Bromodichloromethane					ND	1.0								
cis-1,3-Dichloropropene					ND	1.0								
Toluene					ND	0.50								
Tetrachloroethene					ND	1.0								
trans-1,3-Dichloropropene					ND	1.0								
1,1,2-Trichloroethane					ND	1.0								
Dibromochloromethane					ND	1.0								
Chlorobenzene					ND	1.0								
Ethylbenzene					ND	0.50								
m,p-Xylene					ND	0.50								
o-Xylene					ND	0.50								

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0605199
Project: 003154 Simpson Reman Facility

QC SUMMARY REPORT

Method Blank

Sample ID	MBLK 051106	Batch ID:	R41234	Test Code:	ICIONW	Units:	mg/L	Analysis Date	5/11/06 2:07:36 PM	Prep Date
Client ID:			Run ID:	INIC2_060511A				SeqNo:	591844	
Analyte			Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val
Bromoform	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,4-Dichlorobenzene	0.09152	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,2-Dichloroethane-d4	1.08	0.10	1.00	0	108%	80	120	0	0	J
1,4-Dichlorobenzene-d4	0.955	0.10	1.00	0	95.5%	80	120	0	0	
Dibromofluoromethane	1.08	0.10	1.00	0	108%	80	120	0	0	
Toluene-d8	0.991	0.10	1.00	0	99.1%	80	120	0	0	
Sample ID	MBLK 051106	Batch ID:	R41234	Test Code:	ICNOW	Units:	mg/L	Analysis Date	5/11/06 2:07:36 PM	Prep Date
Client ID:			Run ID:	INIC2_060511A				SeqNo:	591844	
Analyte			Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val
Chloride	ND	0.10								
Sulfate	ND	0.50								
Sample ID	MBLK 051106	Batch ID:	R41234	Test Code:	ICNOW	Units:	mg/L	Analysis Date	5/11/06 2:07:36 PM	Prep Date
Client ID:			Run ID:	INIC2_060511A				SeqNo:	591832	
Analyte			Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val
Nitrate (as Nitrogen)	ND	0.10								
Sample ID	MB-15682P	Batch ID:	15682	Test Code:	ICPX	Units:	µg/L	Analysis Date	5/19/06 2:06:00 PM	Prep Date 5/11/06
Client ID:			Run ID:	INICP1_060519B				SeqNo:	594031	
Analyte			Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val
Iron	ND	100								
Manganese	0.5000	2.0								J

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0605199
Project: 003154 Simpson Reman Facility

QC SUMMARY REPORT

Method Blank

Sample ID	MB-15721	Batch ID:	15721	Test Code:	PCPTW	Units:	µg/L	Analysis Date	5/17/06 5:15:39 PM	Prep Date	5/17/06	
Client ID:		Run ID:	ORG4_060517A	SeqNo:				LowLimit		HighLimit		
Analyte		Result	Limit	SPK value	SPK Ref Val	% Rec		RPD Ref Val		% RPD	RPD Limit	Qual
Tetrachlorophenol	ND	1.0										
Pentachlorophenol	ND	0.30										
Dibromophenol	4.51	0.10	5.00	0	90.1%		67	118	0			

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 24-May-06

CLIENT: SHN Consulting Engineers and Geologists

Work Order: 0605199

Project: 003154 Simpson Reman Facility

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID	LCS-06306	Batch ID:	R41402	Test Code:	8260W	Units:	µg/L		Analysis Date	5/19/06 3:47:00 AM	Prep Date			
Analyte				Run ID:	ORGCMSS3_060519A			% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane		16.88	2.0		20.0	0		84.4%	80	120	0	0	0	
Vinyl chloride		18.53	1.0		20.0	0		92.7%	80	120	0	0	0	
Bromomethane		19.44	1.0		20.0	0		97.2%	80	120	0	0	0	
Chloroethane		19.96	1.0		20.0	0		99.8%	80	120	0	0	0	
Trichlorofluoromethane		22.05	1.0		20.0	0		110%	80	120	0	0	0	
1,1-Dichloroethene		20.42	1.0		20.0	0		102%	80	120	0	0	0	
Methylene chloride		20.39	2.0		20.0	0		102%	80	120	0	0	0	
trans-1,2-Dichloroethene		20.71	1.0		20.0	0		104%	80	120	0	0	0	
1,1-Dichloroethane		20.90	1.0		20.0	0		104%	80	120	0	0	0	
cis-1,2-Dichloroethene		21.23	1.0		20.0	0		106%	80	120	0	0	0	
Chloroform		20.87	1.0		20.0	0		104%	80	120	0	0	0	
Carbon Tetrachloride		21.02	1.0		20.0	0		105%	80	120	0	0	0	
1,1,1-Trichloroethane		20.86	1.0		20.0	0		104%	80	120	0	0	0	
Benzene		20.39	0.50		20.0	0		102%	80	120	0	0	0	
1,2-Dichloroethane		20.69	1.0		20.0	0		103%	80	120	0	0	0	
Trichloroethene		20.77	1.0		20.0	0		104%	80	120	0	0	0	
1,2-Dichloropropane		20.02	1.0		20.0	0		100%	80	120	0	0	0	
Bromodichloromethane		20.20	1.0		20.0	0		101%	80	120	0	0	0	
cis-1,3-Dichloropropene		21.12	1.0		20.0	0		106%	80	120	0	0	0	
Toluene		20.08	0.50		20.0	0		100%	80	120	0	0	0	
Tetrachloroethene		20.68	1.0		20.0	0		103%	80	120	0	0	0	
trans-1,3-Dichloropropene		20.88	1.0		20.0	0		104%	80	120	0	0	0	
1,1,2-Trichloroethane		19.94	1.0		20.0	0		99.7%	80	120	0	0	0	
Dibromochloromethane		19.49	1.0		20.0	0		97.4%	80	120	0	0	0	
Chlorobenzene		20.15	1.0		20.0	0		101%	80	120	0	0	0	
Ethylbenzene		19.46	0.50		20.0	0		97.3%	80	120	0	0	0	
m,p-Xylene		40.18	0.50		40.0	0		100%	80	120	0	0	0	
o-Xylene		20.49	0.50		20.0	0		102%	80	120	0	0	0	

Qualifiers:

N - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: SHN Consulting Engineers and Geologists

Work Order: 0605199

Project: 003154 Simpson Reman Facility

QC SUMMARY REPORT

Laboratory Control Spike

	Bromoform	1,1,2,2-Tetrachloroethane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,2-Dichlorobenzene	1,2-Dichloroethane-d4	1,4-Dichlorobenzene-d4	Dibromofluoromethane	Toluene-d8		
	18.25	1.0	20.0	0	91.3%	80	120	0	0		
	19.17	1.0	20.0	0	95.9%	80	120	0	0		
	19.93	1.0	20.0	0	99.6%	80	120	0	0		
	19.92	1.0	20.0	0	99.6%	80	120	0	0		
	19.58	1.0	20.0	0	97.9%	80	120	0	0		
	1.03	0.10	1.00	0	103%	61	127	0	0		
	0.977	0.10	1.00	0	97.7%	77	129	0	0		
	1.05	0.10	1.00	0	105%	80	120	0	0		
	1.01	0.10	1.00	0	101%	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0605199
Project: 003154 Simpson Reman Facility

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate

Sample ID	LCSD-06306	Batch ID:	R41402	Test Code:	8260W	Units: µg/L	Analysis Date 5/19/06 4:13:00 AM			Prep Date		
Analyte		Client ID:		Run ID:	ORGCMSS_060519A	% Rec	LowLimit	HighLimit	RPD Ref Val	% RPD	RPDLimit	Qual
					SeqNo:	594136						
Chloromethane	18.05	2.0	20.0	0	90.3%	80	120	16.9	6.71%	20		
Vinyl chloride	18.08	1.0	20.0	0	90.4%	80	120	18.5	2.46%	20		
Bromomethane	19.91	1.0	20.0	0	99.6%	80	120	19.4	2.41%	20		
Chloroethane	19.30	1.0	20.0	0	96.5%	80	120	20.0	3.35%	20		
Trichlorofluoromethane	21.23	1.0	20.0	0	106%	80	120	22.0	3.76%	20		
1,1-Dichloroethene	19.93	1.0	20.0	0	99.7%	80	120	20.4	2.44%	20		
Methylene chloride	20.34	2.0	20.0	0	102%	80	120	20.4	0.236%	20		
trans-1,2-Dichloroethene	20.40	1.0	20.0	0	102%	80	120	20.7	1.51%	20		
1,1-Dichloroethane	20.62	1.0	20.0	0	103%	80	120	20.9	1.34%	20		
cis-1,2-Dichloroethene	20.74	1.0	20.0	0	104%	80	120	21.2	2.30%	20		
Chloroform	20.86	1.0	20.0	0	104%	80	120	20.9	0.0680%	20		
Carbon Tetrachloride	20.56	1.0	20.0	0	103%	80	120	21.0	2.21%	20		
1,1,1-Trichloroethane	20.25	1.0	20.0	0	101%	80	120	20.9	2.98%	20		
Benzene	20.20	0.50	20.0	0	101%	80	120	20.4	0.964%	20		
1,2-Dichloroethane	20.55	1.0	20.0	0	103%	80	120	20.7	0.702%	20		
Trichloroethene	20.47	1.0	20.0	0	102%	80	120	20.8	1.47%	20		
1,2-Dichloropropane	19.96	1.0	20.0	0	99.8%	80	120	20.0	0.287%	20		
Bromodichloromethane	20.15	1.0	20.0	0	101%	80	120	20.2	0.255%	20		
cis-1,3-Dichloropropene	21.22	1.0	20.0	0	106%	80	120	21.1	0.509%	20		
Toluene	19.77	0.50	20.0	0	98.9%	80	120	20.1	1.51%	20		
Tetrachloroethene	20.19	1.0	20.0	0	101%	80	120	20.7	2.39%	20		
trans-1,3-Dichloropropene	20.59	1.0	20.0	0	103%	80	120	20.9	1.38%	20		
1,1,2-Trichloroethane	19.62	1.0	20.0	0	98.1%	80	120	19.9	1.58%	20		
Dibromochloromethane	19.28	1.0	20.0	0	96.4%	80	120	19.5	1.06%	20		
Chlorobenzene	20.25	1.0	20.0	0	101%	80	120	20.2	0.496%	20		
Ethylbenzene	19.07	0.50	20.0	0	95.4%	80	120	19.5	1.99%	20		
m,p-Xylene	39.11	0.50	40.0	0	97.8%	80	120	40.2	2.70%	20		
o-Xylene	20.23	0.50	20.0	0	101%	80	120	20.5	1.24%	20		
Bromoform	17.84	1.0	20.0	0	89.2%	80	120	18.2	2.29%	20		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

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 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0605199
Project: 003154 Simpson Reman Facility

QC SUMMARY REPORT

Laboratory Control Spike Duplicate

1,1,2,2-Tetrachloroethane	18.71	1.0	20.0	0	93.6%	80	120	19.2	2.41%
1,3-Dichlorobenzene	19.85	1.0	20.0	0	99.3%	80	120	19.9	0.378%
1,4-Dichlorobenzene	19.77	1.0	20.0	0	98.8%	80	120	19.9	0.762%
1,2-Dichlorobenzene	19.42	1.0	20.0	0	97.1%	80	120	19.6	0.796%
1,2-Dichloroethane-d4	1.03	0.10	1.00	0	103%	61	127	1.03	0.185%
1,4-Dichlorobenzene-d4	0.975	0.10	1.00	0	97.5%	77	129	0.977	0.212%
Dibromofluoromethane	1.05	0.10	1.00	0	105%	80	120	1.05	0.184%
Toluene-d8	0.998	0.10	1.00	0	99.7%	80	120	1.01	0.842%

Sample ID	LCS 05100606	Batch ID:	R41234	Test Code:	ICIONW	Units:	mg/L	Analysis Date	5/11/06 2:23:13 PM
Client ID:		Run ID:		Run ID:	INIC2_060511A			Prep Date	

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	% RPD
Chloride	0.9783	0.10	1.00	0	97.8%	90	110	0	0

Sample ID	LCS 05100606	Batch ID:	R41234	Test Code:	ICNOW	Units:	mg/L	Analysis Date	5/11/06 2:23:13 PM
Client ID:		Run ID:		Run ID:	INIC2_060511A			Prep Date	

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	% RPD
Nitrate (as Nitrogen)	1.005	0.10	1.00	0	101%	90	110	0	0

Sample ID	LCS-15682P	Batch ID:	15682	Test Code:	ICPX	Units:	µg/L	Analysis Date	5/19/06 2:10:00 PM
Client ID:		Run ID:		Run ID:	INICP1_060519B			Prep Date	5/11/06

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	% RPD
Iron	497.5	100	500	0	99.5%	85	115	0	0

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: SHN Consulting Engineers and Geologists
Work Order: 0605199
Project: 003154 Simpson Renan Facility

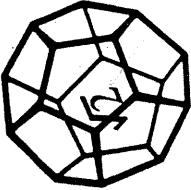
QC SUMMARY REPORT
Laboratory Control Spike

Sample ID	LCS-15721	Batch ID:	15721	Test Code:	PCPTW	Units:	µg/L	Analysis Date	5/17/06 5:36:24 PM	Prep Date	5/17/06	
Client ID:		Run ID:	ORG4C_060517A	SeqNo:	593232							
Analyte		Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachlorophenol	4.455	1.0	5.00	0	89.1%	69	112	0				
Pentachlorophenol	1.243	0.30	1.50	0	82.9%	65	107	0				
Dibromophenol	4.67	0.10	5.00	0	93.4%	67	118	0				
Sample ID	LCSD-15721	Batch ID:	15721	Test Code:	PCPTW	Units:	µg/L	Analysis Date	5/17/06 5:57:13 PM	Prep Date	5/17/06	
Client ID:		Run ID:	ORG4C_060517A	SeqNo:	593233							
Analyte		Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachlorophenol	4.566	1.0	5.00	0	91.3%	69	112	4.46	2.46%	15		
Pentachlorophenol	1.277	0.30	1.50	0	85.2%	65	107	1.24	2.70%	15		
Dibromophenol	4.67	0.10	5.00	0	93.3%	67	118	4.67	0.0641%	15		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
R - RPD outside accepted recovery limits

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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank



NORTH COAST
LABORATORIES LTD.

**56680 West End Road • Arcata • CA 95521-9202
707-822-4649 Fax 707-822-6831**

Chain of Custody

Attention:	<u>Donna Monroe</u>
Results & Invoice to:	<u>SHN</u>
Address:	<u>812 West Wabash Avenue</u>
Phone:	<u>Eureka, CA 95501</u>
Copies of Report to:	<u>441-8855</u>
Sampler (Sign & Print):	<u>Donna Monroe</u>

PROJECT INFORMATION

Project Number:	<u>003154</u>
Project Name:	<u>Simpson Research Facility</u>

***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other

ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT



STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

Tel: 916 373 5600 Fax: 916 372 1059
www.stl-inc.com

June 6, 2006

STL SACRAMENTO PROJECT NUMBER: G6E130129
PO/CONTRACT:

Laura Miller
North Coast Labs
5680 West End Road
Arcata, CA 95521

Dear Ms. Miller,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on May 12, 2006. These samples are associated with your 0605225 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

A handwritten signature in black ink that appears to read "K Dahl".

Karen Dahl
Project Manager

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6E130129

WATER, 8270C, Phenols

Matrix spikes (performed on another client's samples) were extracted and analyzed but were not reported due to numerous quality control failures.

There were no other anomalies associated with this project.



STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930G-334
Hawaii	NA	Wisconsin	998204680
Louisiana	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York	IT666		

*NELAP accredited. A more detailed parameter list is available upon request. Updated 1/27/05

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

SAMPLE SUMMARY

G6E130129

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H5CWD	001	MW-2	05/10/06	11:40
H5CWJ	002	MW-3	05/10/06	12:25
H5CWK	003	MW-7	05/10/06	14:30
H5CWL	004	MW-8	05/10/06	15:20
H5CWP	005	DUP	05/10/06	

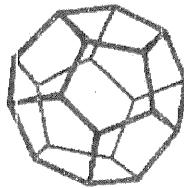
NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

**Sub-Contract
Chain of Custody Record**

Date Shipped: 5/11/06 Carrier: fedex

Air Bill #: _____ Cooler #: _____



**NORTH COAST
LABORATORIES LTD.**

Subcontractor: Severn Trent Laboratories (West Sac) 880 Riverside Parkway West Sacramento, CA 95605 Send Results to: North Coast Labs 5580 West End Road Arcata, CA 95521
Phone: 916-373-5600 Attn: Laura Miller or Trudie Haughy
Attention Line: Sample Control (707) 822-4649

Laural C J 5/11/06 1232 Date/Time
Relinquished By: (signature)

Cliff Haughy Received By: (signature)

5-11-06 (215) Date/Time

Relinquished By: (signature) Date/Time Received By: (signature) Date/Time

Relinquished By: (signature) Date/Time Received By: (signature) Date/Time

Analysis Request

NCL Sample #:	Sample ID:	Date Sampled:	Analysis / Matrix:
0605225-1A	MW-2	5/10/06 11:40:00 AM	EPA 8270 - Water/Waste Water
0605225-2A	MW-3	5/10/06 12:25:00 PM	EPA 8270 - Water/Waste Water
0605225-3A	MW-7	5/10/06 2:30:00 PM	EPA 8270 - Water/Waste Water
0605225-4A	MW-8	5/10/06 3:20:00 PM	EPA 8270 - Water/Waste Water
0605225-5A	DUP	5/10/06	EPA 8270 - Water/Waste Water

Phenols

an

Special Instructions: Please include Sample ID on analytical report.

Please include QC Data

Date Due: 5/24/06

Rush Charges Authorized:

Preservative:

Return Chain of Custody to NCL

SEVERN
TRENT

STL

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT North Coast Lab PM KD LOG # 38834
LOT# (QUANTIMIS ID) GLOE(30129 QUOTE# 29173 LOCATION W11D

DATE RECEIVED 5/12/06 TIME RECEIVED 0905 Initials OH Date 5/12/06

DELIVERED BY FEDEX CA OVERNIGHT CLIENT
 AIRBORNE GOLDENSTATE DHL
 UPS BAX GLOBAL GO-GETTERS
 STL COURIER COURIERS ON DEMAND
 OTHER

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) _____

SHIPPING CONTAINER(S) STL CLIENT N/A

TEMPERATURE RECORD (IN °C) IR 1 3 OTHER

COC #(S) PJ

TEMPERATURE BLANK Observed: 6 Corrected: _____

SAMPLE TEMPERATURE

Observed: 4 5 9 Average: 6 Corrected Average: 6

COLLECTOR'S NAME: Verified from COC Not on COC

pH MEASURED YES ANOMALY N/A

LABELED BY _____

LABELS CHECKED BY _____

PEER REVIEW NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/A

VOA-ENCORES N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A

Clouseau TEMPERATURE EXCEEDED (2 °C – 6 °C)* N/A

WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED

PM NOTIFIED

Notes: _____

*1 Acceptable temperature range for State of Wisconsin samples is $\leq 4^{\circ}\text{C}$.

661809 NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE AND ONLY ADD "N/A" ENTRIES.

Bottle Lot Inventory

Lot
ID:

G6E130129

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
AGJ	/	/	/	/	/															
500AGJ																				
250AGJ																				
125AGJ																				
CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 3/05 EM

Page 2

North Coast Laboratories LTD

Client Sample ID: MW-2

GC/MS Semivolatiles

Lot-Sample #....: G6E130129-001 Work Order #....: H5CWD1AA Matrix.....: WATER
 Date Sampled....: 05/10/06 Date Received...: 05/12/06
 Prep Date.....: 05/16/06 Analysis Date...: 05/31/06
 Prep Batch #....: 6136307
 Dilution Factor: 1.07 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
4-Chloro-3-methylphenol	ND	11	ug/L
2-Chlorophenol	ND	11	ug/L
2,4-Dichlorophenol	ND	11	ug/L
2,4-Dimethylphenol	ND	11	ug/L
2,4-Dinitrophenol	ND	54	ug/L
2-Methylphenol	ND	11	ug/L
3-Methylphenol &	ND	21	ug/L
4-Methylphenol			
2-Nitrophenol	ND	11	ug/L
4-Nitrophenol	ND	54	ug/L
Pentachlorophenol	ND	54	ug/L
Phenol	ND	11	ug/L
2,3,5,6-Tetrachlorophenol	ND	54	ug/L
2,4,5-Trichloro-	ND	11	ug/L
phenol			
2,4,6-Trichloro-	ND	11	ug/L
phenol			
4,6-Dinitro-	ND	54	ug/L
2-methylphenol			
2,6-Dichlorophenol	ND	11	ug/L
PERCENT		RECOVERY	
SURROGATE	RECOVERY	LIMITS	
2-Chlorophenol-d4	55	(25 - 101)	
2-Fluorophenol	36	(10 - 70)	
Phenol-d5	24	(10 - 47)	
2,4,6-Tribromophenol	62	(21 - 127)	

North Coast Laboratories LTD

Client Sample ID: MW-3

GC/MS Semivolatiles

Lot-Sample #....: G6E130129-002 Work Order #....: H5CWJ1AA Matrix.....: WATER
 Date Sampled...: 05/10/06 Date Received...: 05/12/06
 Prep Date.....: 05/16/06 Analysis Date...: 05/31/06
 Prep Batch #....: 6136307
 Dilution Factor: 1.02 Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
2,4-Dinitrophenol	ND	51	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol & 4-Methylphenol	ND	20	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	51	ug/L
Pentachlorophenol	ND	51	ug/L
Phenol	ND	10	ug/L
2,3,5,6-Tetrachlorophenol	ND	51	ug/L
2,4,5-Trichloro- phenol	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
4,6-Dinitro- 2-methylphenol	ND	51	ug/L
2,6-Dichlorophenol	ND	10	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
		(25 - 101)	(10 - 70)
2-Chlorophenol-d4	64	(25 - 101)	(10 - 70)
2-Fluorophenol	38	(10 - 47)	(10 - 47)
Phenol-d5	27	(21 - 127)	(21 - 127)
2,4,6-Tribromophenol	64	(21 - 127)	(21 - 127)

North Coast Laboratories LTD

Client Sample ID: MW-7

GC/MS Semivolatiles

Lot-Sample #....: G6E130129-003 Work Order #....: H5CWKLAA Matrix.....: WATER
 Date Sampled....: 05/10/06 Date Received...: 05/12/06
 Prep Date.....: 05/16/06 Analysis Date...: 06/01/06
 Prep Batch #....: 6136307
 Dilution Factor: 1.01 Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol & 4-Methylphenol	ND	20	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
Pentachlorophenol	ND	50	ug/L
Phenol	ND	10	ug/L
2,3,5,6-Tetrachlorophenol	ND	50	ug/L
2,4,5-Trichloro- phenol	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
4,6-Dinitro- 2-methylphenol	ND	50	ug/L
2,6-Dichlorophenol	ND	10	ug/L
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>
		<u>RECOVERY</u>	<u>LIMITS</u>
2-Chlorophenol-d4	61		(25 - 101)
2-Fluorophenol	42		(10 - 70)
Phenol-d5	26		(10 - 47)
2,4,6-Tribromophenol	67		(21 - 127)

North Coast Laboratories LTD

Client Sample ID: MW-8

GC/MS Semivolatiles

Lot-Sample #....: G6E130129-004 Work Order #...: H5CWL1AA Matrix.....: WATER
 Date Sampled....: 05/10/06 Date Received...: 05/12/06
 Prep Date.....: 05/16/06 Analysis Date...: 05/31/06
 Prep Batch #....: 6136307
 Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol & 4-Methylphenol	ND	20	ug/L
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	50	ug/L
Pentachlorophenol	ND	50	ug/L
Phenol	ND	10	ug/L
2,3,5,6-Tetrachlorophenol	ND	50	ug/L
2,4,5-Trichloro- phenol	ND	10	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
4,6-Dinitro- 2-methylphenol	ND	50	ug/L
2,6-Dichlorophenol	ND	10	ug/L
SURROGATE		PERCENT	RECOVERY
		RECOVERY	LIMITS
2-Chlorophenol-d4	49	(25 - 101)	
2-Fluorophenol	32	(10 - 70)	
Phenol-d5	20	(10 - 47)	
2,4,6-Tribromophenol	48	(21 - 127)	

North Coast Laboratories LTD

Client Sample ID: DUP

GC/MS Semivolatiles

Lot-Sample #....: G6E130129-005 Work Order #....: H5CWP1AA Matrix.....: WATER
 Date Sampled....: 05/10/06 Date Received...: 05/12/06
 Prep Date.....: 05/16/06 Analysis Date...: 05/31/06
 Prep Batch #....: 6136307
 Dilution Factor: 1.02 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
4-Chloro-3-methylphenol	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
2,4-Dinitrophenol	ND	51	ug/L
2-Methylphenol	ND	10	ug/L
3-Methylphenol &	ND	20	ug/L
4-Methylphenol			
2-Nitrophenol	ND	10	ug/L
4-Nitrophenol	ND	51	ug/L
Pentachlorophenol	ND	51	ug/L
Phenol	ND	10	ug/L
2,3,5,6-Tetrachlorophenol	ND	51	ug/L
2,4,5-Trichloro-phenol	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
4,6-Dinitro-2-methylphenol	ND	51	ug/L
2,6-Dichlorophenol	ND	10	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
		(25 - 101)	
2-Chlorophenol-d4	54	(10 - 70)	
2-Fluorophenol	35	(10 - 47)	
Phenol-d5	22	(21 - 127)	
2,4,6-Tribromophenol	54		

QC DATA ASSOCIATION SUMMARY

G6E130129

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8270C		6136307	
002	WATER	SW846 8270C		6136307	
003	WATER	SW846 8270C		6136307	
004	WATER	SW846 8270C		6136307	
005	WATER	SW846 8270C		6136307	

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #: G6E130129
 MB Lot-Sample #: G6E160000-307

Work Order #: H5GL01AA

Matrix: WATER

Analysis Date.: 06/01/06
 Dilution Factor: 1

Prep Date.: 05/16/06
 Prep Batch #: 6136307

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
4,6-Dinitro- 2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro- phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro- phenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	20	ug/L	SW846 8270C
2,3,5,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
		(25 - 101)	(10 - 70)	(10 - 47)
2-Chlorophenol-d4	67			
2-Fluorophenol	48			
Phenol-d5	29			
2,4,6-Tribromophenol	70			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #....: G6E130129 Work Order #....: H5GL01AC Matrix.....: WATER
 LCS Lot-Sample#: G6E160000-307
 Prep Date.....: 05/16/06 Analysis Date...: 05/26/06
 Prep Batch #:....: 6136307
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
4-Chloro-3-methylphenol	100	79.9	ug/L	80	SW846 8270C
2-Chlorophenol	100	70.7	ug/L	71	SW846 8270C
2,4-Dichlorophenol	100	78.6	ug/L	79	SW846 8270C
2,4-Dimethylphenol	100	69.1	ug/L	69	SW846 8270C
4,6-Dinitro- 2-methylphenol	100	102	ug/L	102	SW846 8270C
2,4-Dinitrophenol	100	84.4	ug/L	84	SW846 8270C
2-Methylphenol	100	68.5	ug/L	68	SW846 8270C
2-Nitrophenol	100	82.9	ug/L	83	SW846 8270C
4-Nitrophenol	100	32.2	ug/L	32	SW846 8270C
Pentachlorophenol	100	90.6	ug/L	91	SW846 8270C
Phenol	100	35.8	ug/L	36	SW846 8270C
2,4,5-Trichloro- phenol	100	89.8	ug/L	90	SW846 8270C
2,4,6-Trichloro- phenol	100	86.0	ug/L	86	SW846 8270C
SURROGATE		PERCENT RECOVERY	RECOVERY LIMITS		
2-Chlorophenol-d4		72	(25 - 101)		
2-Fluorophenol		51	(10 - 70)		
Phenol-d5		33	(10 - 47)		
2,4,6-Tribromophenol		86	(21 - 127)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: G6E130129 Work Order #...: H5GL01AC Matrix.....: WATER
 LCS Lot-Sample#: G6E160000-307
 Prep Date.....: 05/16/06 Analysis Date.: 05/26/06
 Prep Batch #:..: 6136307
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
4-Chloro-3-methylphenol	80	(60 - 100)	SW846 8270C
2-Chlorophenol	71	(48 - 102)	SW846 8270C
2,4-Dichlorophenol	79	(52 - 99)	SW846 8270C
2,4-Dimethylphenol	69	(49 - 89)	SW846 8270C
4,6-Dinitro- 2-methylphenol	102	(35 - 127)	SW846 8270C
2,4-Dinitrophenol	84	(10 - 131)	SW846 8270C
2-Methylphenol	68	(49 - 91)	SW846 8270C
2-Nitrophenol	83	(45 - 108)	SW846 8270C
4-Nitrophenol	32	(18 - 63)	SW846 8270C
Pentachlorophenol	91	(35 - 118)	SW846 8270C
Phenol	36	(16 - 56)	SW846 8270C
2,4,5-Trichloro- phenol	90	(56 - 106)	SW846 8270C
2,4,6-Trichloro- phenol	86	(49 - 108)	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
2-Chlorophenol-d4	72	(25 - 101)
2-Fluorophenol	51	(10 - 70)
Phenol-d5	33	(10 - 47)
2,4,6-Tribromophenol	86	(21 - 127)

NOTE(S) :

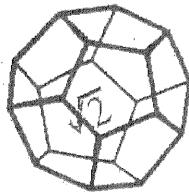
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sub-Contract
Chain of Custody Record

Date Shipped: 5/11/06 Carrier: fedex

Air Bill #: _____ Cooler #: _____



**NORTH COAST
LABORATORIES LTD.**

Subcontractor: Severn Trent Laboratories (West Sac
880 Riverside Parkway
West Sacramento, CA 95605)

Send Results to: North Coast Labs
5680 West End Road
Arcata, CA 95521

Attn: Laura Miller or Trudie Haughy
(707) 822-4649

Phone: 916-873-5600
Attention Line: Sample Control

Relinquished By: (signature)

Date/Time

Received By: (signature)

Date/Time

Relinquished By: (signature)

Date/Time

Received By: (signature)

Date/Time

Relinquished By: (signature)

Date/Time

Received By: (signature)

Date/Time

Analysis Request

NCL Sample #: Sample ID:
0605225-1A MW-2
0605225-2A MW-3
0605225-3A MW-7
0605225-4A MW-8
0605225-5A DUP

Date Sampled:
5/10/06 11:40:00 AM
5/10/06 12:25:00 PM
5/10/06 2:30:00 PM
5/10/06 3:20:00 PM
5/10/06

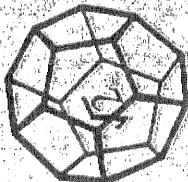
Analysis / Matrix:
EPA B270 - Water/Waste Water
EPA B270 - Water/Waste Water

Special Instructions: Please include Sample ID on analytical report.

Please include QC Data

Date Due: 5/24/06Rush Charges Authorized: nowPreservative: Q

Return Chain of Custody to NCL



NORTH COAST LABORATORIES LTD.

5600 West End Road • AVE B • CA 95211-9202
707-822-1649 FAX 707-822-6881

Chain of Custody

Attention:	Mr. Macie
Results & Invoice to:	SHN
Address:	812 West Wabash Avenue
Phone:	Eureka, CA 95501 441-8855
Copies of Report to:	

ANALYSIS

Sampler (Sign & Print): John H. Miller

Project Information

Project Number:	00115
Project Name:	Water Treatment Facility
Purchase Order Number:	

LAB ID	SAMPLED	DATE	TIME	MATRIX
AM-2		1/16	11:00	
PM-3		1/16	12:30	
MW-2		1/16	11:30	
MW-3		1/16	11:20	
AM-4		1/16	11:00	
PM-5		1/16	12:30	
MW-6		1/16	11:30	
AM-7		1/16	11:00	
PM-8		1/16	12:30	
MW-9		1/16	11:30	
AM-10		1/16	11:00	
PM-11		1/16	12:30	
MW-12		1/16	11:30	
AM-13		1/16	11:00	
PM-14		1/16	12:30	
MW-15		1/16	11:30	
AM-16		1/16	11:00	
PM-17		1/16	12:30	
MW-18		1/16	11:30	
AM-19		1/16	11:00	
PM-20		1/16	12:30	
MW-21		1/16	11:30	
AM-22		1/16	11:00	
PM-23		1/16	12:30	
MW-24		1/16	11:30	
AM-25		1/16	11:00	
PM-26		1/16	12:30	
MW-27		1/16	11:30	
AM-28		1/16	11:00	
PM-29		1/16	12:30	
MW-30		1/16	11:30	
AM-31		1/16	11:00	
PM-32		1/16	12:30	
MW-33		1/16	11:30	
AM-34		1/16	11:00	
PM-35		1/16	12:30	
MW-36		1/16	11:30	
AM-37		1/16	11:00	
PM-38		1/16	12:30	
MW-39		1/16	11:30	
AM-40		1/16	11:00	
PM-41		1/16	12:30	
MW-42		1/16	11:30	
AM-43		1/16	11:00	
PM-44		1/16	12:30	
MW-45		1/16	11:30	
AM-46		1/16	11:00	
PM-47		1/16	12:30	
MW-48		1/16	11:30	
AM-49		1/16	11:00	
PM-50		1/16	12:30	
MW-51		1/16	11:30	
AM-52		1/16	11:00	
PM-53		1/16	12:30	
MW-54		1/16	11:30	
AM-55		1/16	11:00	
PM-56		1/16	12:30	
MW-57		1/16	11:30	
AM-58		1/16	11:00	
PM-59		1/16	12:30	
MW-60		1/16	11:30	
AM-61		1/16	11:00	
PM-62		1/16	12:30	
MW-63		1/16	11:30	
AM-64		1/16	11:00	
PM-65		1/16	12:30	
MW-66		1/16	11:30	
AM-67		1/16	11:00	
PM-68		1/16	12:30	
MW-69		1/16	11:30	
AM-70		1/16	11:00	
PM-71		1/16	12:30	
MW-72		1/16	11:30	
AM-73		1/16	11:00	
PM-74		1/16	12:30	
MW-75		1/16	11:30	
AM-76		1/16	11:00	
PM-77		1/16	12:30	
MW-78		1/16	11:30	
AM-79		1/16	11:00	
PM-80		1/16	12:30	
MW-81		1/16	11:30	
AM-82		1/16	11:00	
PM-83		1/16	12:30	
MW-84		1/16	11:30	
AM-85		1/16	11:00	
PM-86		1/16	12:30	
MW-87		1/16	11:30	
AM-88		1/16	11:00	
PM-89		1/16	12:30	
MW-90		1/16	11:30	
AM-91		1/16	11:00	
PM-92		1/16	12:30	
MW-93		1/16	11:30	
AM-94		1/16	11:00	
PM-95		1/16	12:30	
MW-96		1/16	11:30	
AM-97		1/16	11:00	
PM-98		1/16	12:30	
MW-99		1/16	11:30	
AM-100		1/16	11:00	

LABORATORY NUMBER: <i>0605225004</i>		REPORTING REQUIREMENTS:		SAMPLE CONDITION/SPECIAL INSTRUCTIONS	
<input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 5 Day <input type="checkbox"/> 5-7 Day <input type="checkbox"/> STD (2-3 Wk) <input type="checkbox"/> Other		<input type="checkbox"/> Preliminary <input type="checkbox"/> Verbal <input type="checkbox"/> Fax <input type="checkbox"/> Final Report <input type="checkbox"/> Verbal <input type="checkbox"/> By:		<input type="checkbox"/> State Forms <input type="checkbox"/> State Forms <input type="checkbox"/> NalgeNet 5-11 <input type="checkbox"/> 1-1 L NalgeNet <input type="checkbox"/> 3-500 ml pt. 4-1 L NalgeNet <input type="checkbox"/> 250 ml BG <input type="checkbox"/> 6-500 ml BG <input type="checkbox"/> 7-1 L BG <input type="checkbox"/> 8-1 L cg, 9-40 ml VOA <input type="checkbox"/> 10-125 ml VOA <input type="checkbox"/> 11-1 oz glass jar <input type="checkbox"/> 12-8 oz glass jar <input type="checkbox"/> 13-brass tube <input type="checkbox"/> 14-other	
PRORATE AUTHORIZATION IS REQUIRED FOR RUSHES					
CONTAINER PRESERVATIVE <i>64-7002</i>					
ANALYSIS <i>64-7002</i>					
PROJECT INFORMATION <i>00115</i>					
Sampler (Sign & Print): <u>John H. Miller</u>					
Project Number: <i>00115</i> Project Name: <i>Water Treatment Facility</i> Purchase Order Number: <i></i>					
RETRIEVED BY SIGN & PRINT: <i>J. Miller</i> DATE/TIME: <i>1/16 11:00 AM</i> RECEIVED BY SIGN & PRINT: <i>J. Miller</i> DATE/TIME: <i>1/16 11:00 AM</i>					
SAMPLE DISPOSAL: <input type="checkbox"/> NCL Disposal of Non-Contaminated <input type="checkbox"/> Return <input type="checkbox"/> Pickup					
CHAIN OF CUSTODY SEALS Y/N/NA: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA SHIPPED VIA: <input type="checkbox"/> Air/Fax <input type="checkbox"/> FedEx <input type="checkbox"/> Bus <input type="checkbox"/> Hand					

*MATRIX: DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other
ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT